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USAFETAC/DS-90/229

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# **SURFACE OBSERVATION CLIMATIC SUMMARIES**

FOR

**WESTOVER AFB, MA**

Prepared by

OL-A, USAFETAC  
ASHEVILLE, NORTH CAROLINA  
28801-2723



**SEPTEMBER 1990**

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JOSEPH L. BOYTE  
CHIEF, CLIMATIC APPLICATIONS, OL-A

FOR THE COMMANDER

*Walter S. Burgmann*  
WALTER S. BURGMANN  
SCIENTIFIC AND TECHNICAL INFORMATION  
PROGRAM MANAGER

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13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
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## PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.



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\*\*\* NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS \*\*\*

## INTRODUCTION

### STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: SEP 69 - AUG 89 (AIRWAYS).

SUMMARY OF DAY DATA: JUN 41 JAN 76, NOV 88 - AUG 89 (FULL TIME).

SUMMARY OF DAY DATA: APR 41 - MAY 41, FEB 76 - OCT 88 (PART TIME).

HOURS SUMMARIZED: 00-23 LST (EXCEPT 07-16 LST 4104-4105 AND 07-23 LST 7602-8810)

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

### TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MG	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

\* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FLD ELEV (FT)	CALL SIGN	WMO NMBS
744910	WESTOVER AFB/CHICOPEE FALLS, MA	N 42 12	W 072 32	245	KCEF	74491

  

STATION LOCATION AND INSTRUMENTATION HISTORY									
Nmbr of Loc	GEOGRAPHICAL LOCATION & NAME	Type of Station	At This From	Location To	LATITUDE	LONGITUDE	Elev Above MSL FLD (FT)	BARO (FT)	OBS REF DAY
1	Westover Field, MA	AAF	Apr 41	May 41	N 42 12	W 072 32	247	N/A	10
2	Same	Same	Jun 41	May 53	Same	Same	Same	Same	24
3	Westover AFB/Chicopee Falls	AFB	Jun 53	Apr 54	Same	W 072 33	244	252	24
4	Same	Same	Apr 54	Mar 57	Same	W 072 32	Same	262	24
5	Same	Same	Mar 57	May 58	Same	Same	245	Same	24
6	Same	Same	May 58	May 59	Same	Same	Same	247	24
7	Same	Same	May 59	Apr 60	Same	Same	255	Same	24
8	Same	Same	Apr 60	Jun 61	Same	Same	245	Same	24
9	Same	Same	Jun 61	Jan 76	Same	Same	Same	255	24
10	Same	Same	Feb 76	Dec 82	Same	Same	Same	245	16
11	Same	Same	JAN 83	OCT 88	Same	Same	Same	Same	17
12	SAME	SAME	NOV 88	AUG 89	SAME	SAME	SAME	SAME	24

  

SURFACE WIND EQUIPMENT INFORMATION						REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
Nmbr of Loc	Date of Change	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Apr 41	SW half of Bldg T-92	Anemometer	N/A	36 ft	
2	Oct 41	Rn 109 midway of Base Hangar	Same	Same	56 ft	
3	Jun 53	Atop base hangar	Selsyn	ML-144A	90 ft	
4	Apr 54	Same	Same	Same	115 ft	
5	Apr 55	Same	Same	Same	105 ft	
6	Mar 57	Junction of rwy 23/05 & 15/33	AN/GMO-11	RO-2	13 ft	
7	Apr 60	500' W of taxi-strip	Same	Same	11 ft	
8	Nov 79	1,500'fm ctrln, 1000'fm end rwy 23	AN/GMO-20	RO-362	18 ft	
		2,500'fm ctrln, 1000'fm end rwy 05	Same		18 ft	
9	Jan 86	1.Same	Same	Same	18 ft	
		2.Same	Same		12 ft	



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PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).



SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		7.1	1.5	7.3		15.9	13.3	2.7			31.9	742
03-05		6.0	2.2	7.2		15.3	14.0	2.4	.4		32.1	738
06-08		4.7	1.9	8.3		14.9	14.4	3.0	.3		32.6	1450
09-11		5.1	1.4	9.0		15.6	12.4	4.9	.2		33.1	1806
12-14		5.3	.8	8.9		15.0	8.7	4.6	.1		28.3	1806
15-17		5.0	1.7	8.0		14.6	9.6	3.0	.1		27.4	1809
18-20		5.6	1.2	8.3		15.1	10.6	2.5	.1		28.2	1809
21-23	.1	5.6	1.2	8.5		15.3	11.4	1.9	.1		28.7	1632
ALL HOURS	.0	5.4	1.4	8.3		15.1	11.4	3.2	.2		29.9	11792

MONTH: FEB

00-02		5.4	1.8	11.4		18.6	13.0	2.1	1.0		34.7	614
03-05		5.7	1.8	10.8		18.3	13.7	2.1	.5		34.6	613
06-08		5.9	2.1	9.2		17.2	14.7	2.5	.5		34.9	1331
09-11	.1	6.9	1.4	7.5		15.7	11.7	3.8	.4		31.6	1689
12-14		7.1	.7	7.3		15.1	8.9	2.1	.2		26.3	1689
15-17		7.0	.8	6.3		14.2	8.9	1.5	.4		24.9	1689
18-20	.1	5.1	.8	5.9		12.8	9.4	1.1	.4		23.6	1691
21-23		6.4	.7	7.6		14.7	9.2	1.2	.3		25.4	1494
ALL HOURS	.0	6.5	1.1	7.7		15.3	10.7	2.0	.4		28.4	10810

A - 2 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		10.3	.5	5.8		16.5	15.5	3.1	.5		35.5	653
03-05		9.7	1.5	6.0		17.2	16.4	2.5	.3		36.4	651
06-08		9.0	.5	6.2		15.8	15.7	1.7	.1		33.4	1463
09-11		8.9	.3	5.0		14.2	12.9	1.1			28.2	1860
12-14		8.9	.1	4.9		13.9	9.8	1.5	.3		25.4	1859
15-17	.1	10.3	.3	4.8		15.5	10.5	2.0	.5		28.5	1857
18-20	.2	9.6	.7	4.4		14.7	11.2	2.0	.5		28.4	1857
21-23	.4	10.2	.9	5.3		16.4	11.4	1.7	.4		29.9	1632
ALL HOURS	.1	9.5	.5	5.2		15.2	12.2	1.8	.3		29.6	11832

MONTH: APR

00-02	.8	10.0		3.2		13.1	14.8	1.9			29.9	633
03-05	.3	7.9		2.9		10.8	14.6	1.6			26.9	631
06-08		11.3		2.3		13.6	14.8	1.9			30.2	1511
09-11	.1	11.2	.1	1.7		13.0	9.1	1.9			24.1	1800
12-14	.2	13.3	.1	.6		14.0	7.4	.6	.1		22.1	1800
15-17	.3	13.0	.2	.7		13.9	7.3	.6	.2		21.9	1800
18-20	.3	12.7	.1	1.2		13.9	9.5	.7	.2		24.3	1800
21-23	.5	12.7		1.5		14.1	10.9	.4	.1		25.5	1492
ALL HOURS	.3	12.0	.1	1.5		13.5	10.2	1.1	.1		24.9	11467

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		15.3				15.3	18.4	2.3			36.0	653
03-05	.2	16.9				16.9	27.5	4.0			48.4	655
06-08	.2	11.8		.1		11.9	23.0	6.0			41.0	1857
09-11	.1	12.1		.1		12.2	10.5	4.7			27.4	1860
12-14	1.0	11.6		.1		11.7	7.0	2.5			21.2	1860
15-17	1.4	11.2		.2		11.3	6.7	2.5			20.5	1860
18-20	1.3	12.3		.2		12.4	9.0	3.2			24.6	1860
21-23	.5	13.2				13.2	12.6	3.3			29.1	1245
ALL HOURS	.7	12.4		.1		12.5	12.7	3.7			28.9	11850

MONTH: JUN

00-02	.3	10.5				10.5	32.3	9.7			52.5	631
03-05	.3	12.8				12.8	41.4	13.8			68.0	631
06-08	.7	10.9			.1	11.0	27.2	12.8			51.0	1799
09-11	.2	8.7				8.7	11.3	10.4			30.5	1800
12-14	1.2	9.2				9.2	6.2	7.2			22.6	1800
15-17	2.5	9.4				9.4	6.4	6.4			22.3	1800
18-20	2.0	9.3				9.3	10.0	7.6			26.9	1800
21-23	2.2	8.7				8.7	16.5	8.5			33.7	1209
ALL HOURS	1.3	9.7			.0	9.7	15.4	9.2			34.2	11470

A - 2 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	3.2	5.8				5.8	29.3	13.0			48.1	652
03-05	1.7	9.7				9.7	35.6	14.4			59.8	651
06-08	.8	6.8				6.8	26.3	17.1			50.2	1859
09-11	1.0	6.8				6.8	9.2	16.2			32.2	1860
12-14	1.8	6.1				6.1	5.1	11.7			22.9	1860
15-17	3.1	5.6				5.6	4.2	10.6			20.5	1860
18-20	3.8	7.1				7.1	8.1	11.3			26.5	1860
21-23	2.2	5.2				5.2	15.4	12.7			33.4	1258
ALL HOURS	2.1	6.5				6.5	13.5	13.4			33.3	11863

MONTH: AUG

00-02	1.0	6.0				6.0	27.8	14.5			48.3	688
03-05	.9	6.5				6.5	37.5	16.5			60.4	680
06-08	.5	8.0				8.0	34.4	17.0			59.3	1857
09-11	.5	6.7				6.7	11.5	17.0			35.2	1860
12-14	1.9	6.7				6.7	5.8	10.7			23.1	1860
15-17	2.3	7.2				7.2	5.5	10.1			22.8	1860
18-20	2.3	7.3				7.3	8.8	12.4			28.5	1858
21-23	1.3	6.8				6.8	14.6	12.3			33.7	1279
ALL HOURS	1.4	7.0				7.0	15.6	13.5			36.1	11942

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.9	10.6				10.6	31.3	13.4			55.2	688
03-05	.6	10.7				10.7	33.5	13.2			57.5	689
06-08		8.8				8.8	35.2	10.4			54.5	1800
09-11	.2	8.6				8.6	14.1	11.1			33.7	1800
12-14	.1	8.2				8.2	7.3	7.0			22.4	1800
15-17	1.3	8.7				8.7	7.1	7.0			22.7	1798
18-20	1.8	10.0				10.0	11.2	8.0			29.2	1797
21-23	1.5	10.8				10.8	18.3	9.0			38.1	1238
ALL HOURS	.8	9.3				9.3	17.4	9.3			35.9	11610

MONTH: OCT

00-02	.3	7.7		.3		8.0	19.0	7.2			34.3	651
03-05		7.2				7.2	23.7	7.4			38.2	651
06-08	.2	8.6		.1		8.7	28.2	4.6			41.5	1810
09-11		9.3		.3		9.6	14.9	6.8			31.2	1860
12-14	.2	9.8		.2		10.0	8.2	4.7			22.8	1860
15-17	.2	8.8		.3		9.1	8.1	2.3			19.4	1860
18-20	.2	8.7		.3		8.9	10.2	3.4			22.5	1860
21-23	.6	7.9		.2		8.1	13.6	4.4			26.1	1289
ALL HOURS	.2	8.7		.2		9.0	14.6	4.7			28.3	11841

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		13.3		2.5		15.8	16.0	1.3			33.1	720
03-05		13.2		2.2		15.5	17.3	1.1			33.8	718
06-08		12.6	.3	1.2		14.2	21.3	2.3			37.8	1442
09-11		11.0	.3	2.1		13.4	16.1	4.0			33.5	1799
12-14		10.4	.4	2.2		12.9	9.1	2.7	.2		24.9	1800
15-17	.1	11.1	.3	2.4		13.9	9.2	1.4	.2		24.7	1800
18-20	.1	10.8	.7	2.2		13.7	10.6	1.5			25.8	1800
21-23	.1	12.7	.5	2.2		15.4	13.5	1.3	.1		30.2	1588
ALL HOURS	.0	11.6	.4	2.1		14.1	13.4	2.1	.1		29.7	11667

MONTH: DEC

00-02		9.7	2.7	9.7		22.0	18.3	.4	.6		41.3	715
03-05	.1	7.4	2.5	9.9		19.9	18.2	.8	.4		39.4	714
06-08		7.0	2.6	8.6		18.3	17.5	.6	.5		36.9	1435
09-11		6.1	2.7	9.0		17.9	15.8	1.9	.6		36.1	1795
12-14		6.9	2.5	8.8		18.1	13.5	1.8	.2		33.6	1794
15-17		6.1	2.6	7.5		16.3	13.8	1.3	.2		31.5	1777
18-20	.1	6.6	2.4	8.0		17.0	14.2	.6	.2		32.0	1743
21-23	.1	7.5	2.9	7.8		18.2	15.7	.3	.2		34.4	1542
ALL HOURS	.0	6.9	2.6	8.5		18.0	15.4	1.1	.3		34.8	11515

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.0	5.4	1.4	8.3		15.1	11.4	3.2	.2		29.9	11792
FEB	.0	6.5	1.1	7.7		15.3	10.7	2.0	.4		28.4	10810
MAR	.1	9.5	.5	5.2		15.2	12.2	1.8	.3		29.6	11832
APR	.3	12.0	.1	1.5		13.5	10.2	1.1	.1		24.9	11467
MAY	.7	12.4		.1		12.5	12.7	3.7			28.9	11850
JUN	1.3	9.7			.0	9.7	15.4	9.2			34.2	11470
JUL	2.1	6.5				6.5	13.5	13.4			33.3	11863
AUG	1.4	7.0				7.0	15.6	13.5			36.1	11942
SEP	.8	9.3				9.3	17.4	9.3			35.9	11610
OCT	.2	8.7		.2		9.0	14.6	4.7			28.3	11841
NOV	.0	11.6	.4	2.1		14.1	13.4	2.1	.1		29.7	11667
DEC	.0	6.9	2.6	8.5		18.0	15.4	1.1	.3		34.8	11515
ANNUAL	.6	8.8	.5	2.8	.0	12.1	13.6	5.5	.1		31.2	139659



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4901-8908  
MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.2	24.3	8.5	37.1		49.4	37.8	25.7	3.3		60.9	1255
FEB	.6	24.4	5.3	36.3		49.2	33.2	24.4	3.1		58.8	1157
MAR	2.1	34.1	4.4	30.1	.2	50.3	36.3	19.9	2.1		56.9	1271
APR	4.2	47.8	.2	9.2	.4	50.3	36.5	20.2	.3		58.5	1230
MAY	9.4	51.1		.6	.8	51.1	43.8	26.8			63.4	1271
JUN	15.6	47.6			.3	47.6	51.7	43.7			69.9	1230
JUL	19.0	41.7			.6	41.7	53.2	48.9			68.1	1271
AUG	14.7	40.0			.1	40.0	59.6	48.9			70.5	1271
SEP	7.1	38.5			.2	38.5	57.9	39.6			67.0	1200
OCT	2.8	34.9		1.7		35.5	47.5	32.0			59.9	1239
NOV	1.3	43.5	1.2	14.1	.3	49.3	44.2	26.2	.2		63.9	1199
DEC	.3	31.0	10.0	34.4		51.1	41.0	22.9	2.3		63.2	1216
ANNUAL	6.5	38.3	2.4	13.5	.2	46.2	45.3	31.7	.9		63.4	14810

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02				.8		.3	3.2	1.0	.9	.3		
03-05				.3	.2	.3	1.7	.9	.6			.1
06-08					.2	.7	.8	.5		.2		
09-11		.1		.1	.1	.2	1.0	.5	.2			
12-14				.2	1.0	1.2	1.8	1.9	.1	.2		
15-17			.1	.3	1.4	2.5	3.1	2.3	1.3	.2	.1	
18-20		.1	.2	.3	1.3	2.0	3.8	2.3	1.8	.2	.1	.1
21-23	.1		.4	.5	.5	2.2	2.2	1.3	1.5	.6	.1	.1
ALL HOURS	.0	.0	.1	.3	.7	1.3	2.1	1.4	.8	.2	.0	.0
TOTAL OBS	11792	10810	11832	11467	11850	11470	11863	11942	11610	11841	11667	11515

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	351 - 030	031 - 160	161 - 210	211 - 350	NO OF OBS
TSTMS						100.0	1
LIQUID PRECIP	25.1		15.5	13.7	19.4	26.3	650
FREEZING PRECIP	31.6		36.3	8.8	1.2	22.2	171
FROZEN PRECIP	21.5		32.4	8.1	6.3	31.6	1012
FOG	38.9		15.7	9.8	15.7	20.0	1341
FOG WITH VIS GE 1/2 MILES	37.6		16.6	10.0	15.2	20.7	1200
TOTAL OBS	3056	0	1149	632	1489	5465	0 11791

MONTH: FEB HOURS: ALL

TSTMS	50.0		50.0				2
LIQUID PRECIP	17.8		21.5	24.0	16.7	20.0	725
FREEZING PRECIP	11.1		50.0	20.6	1.6	16.7	126
FROZEN PRECIP	16.1		38.2	12.0	8.4	25.4	859
FOG	32.1		21.7	15.4	13.0	17.8	1148
FOG WITH VIS GE 1/2 MILES	28.7		24.1	16.7	11.7	18.8	1019
TOTAL OBS	2258	0	1377	927	1501	4747	0 10810

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	351 - 030	031 - 160	161 - 210	211 - 350	NO OF OBS
TSTMS				27.3	9.1	63.6	11
LIQUID PRECIP	13.6		22.2	27.2	16.8	20.2	1172
FREEZING PRECIP	15.9		50.8	22.2	1.6	9.5	63
FROZEN PRECIP	12.5		31.1	25.5	6.0	24.9	650
FOG	24.8		21.0	19.5	18.9	15.8	1436
FOG WITH VIS GE 1/2 MILES	21.7		22.5	21.1	18.4	16.2	1292
TOTAL OBS	1929	0	1611	1357	1701	5234	0 11832

MONTH: APR HOURS: ALL

TSTMS	20.0		6.7	46.7	13.3	13.3	30
LIQUID PRECIP	14.5		18.3	36.0	12.9	18.3	1403
FREEZING PRECIP			100.0				7
FROZEN PRECIP	12.6		39.1	8.0	1.7	38.5	174
FOG	28.6		16.2	23.9	18.2	13.2	1162
FOG WITH VIS GE 1/2 MILES	25.1		17.3	25.4	18.5	13.6	1085
TOTAL OBS	1746	0	1399	1711	1873	4738	0 11467

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	351 - 030	031 - 160	161 - 210	211 - 350	NO OF OBS
TSTMS	12.5		2.5	21.3	27.5	36.3	80
LIQUID PRECIP	12.4		20.4	30.4	17.8	19.1	1453
FREEZING PRECIP							
FROZEN PRECIP			72.7	27.3			11
FOG	28.9		12.6	22.0	23.6	13.0	1480
FOG WITH VIS GE 1/2 MILES	27.1		13.2	22.6	23.9	13.2	1422
TOTAL OBS	2081	0	1231	1978	3010	3550	11050

MONTH: JUN HOURS: ALL

TSTMS	10.5		11.2	18.4	29.6	30.3	152
LIQUID PRECIP	15.9		18.6	25.1	23.9	16.5	1073
FREEZING PRECIP							
FROZEN PRECIP							
FOG	34.7		8.8	17.6	30.6	8.3	1737
FOG WITH VIS GE 1/2 MILES	32.8		9.1	18.1	31.3	8.6	1657
TOTAL OBS	2172	0	996	1610	3152	3540	11470

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	351 - 030	031 - 160	161 - 210	211 - 350	NO OF OBS
TSTMS	13.8		7.9	15.7	29.1	33.5	254
LIQUID PRECIP	20.1		12.5	22.6	26.0	18.9	673
FREEZING PRECIP							
FROZEN PRECIP							
FOG	38.4		4.9	14.3	31.1	11.3	1571
FOG WITH VIS GE 1/2 MILES	36.2		5.1	14.9	32.1	11.7	1501
TOTAL OBS	2726	0	953	1247	3139	3798	11863

MONTH: AUG HOURS: ALL

TSTMS	17.6		4.1	23.5	21.2	33.5	170
LIQUID PRECIP	17.2		24.2	18.9	21.3	18.4	801
FREEZING PRECIP							
FROZEN PRECIP							
FOG	44.0		9.9	12.1	23.9	10.2	1813
FOG WITH VIS GE 1/2 MILES	41.2		10.4	12.6	25.1	10.7	1703
TOTAL OBS	3275	0	1209	1457	2547	3454	11942

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	351 - 030	031 - 160	161 - 210	211 - 350	NO OF OBS
TSTMS	4.4		11.0	28.6	25.3	30.8	91
LIQUID PRECIP	19.2		24.4	21.1	19.5	15.8	1062
FREEZING PRECIP							
FROZEN PRECIP							
FOG	44.7		8.5	13.8	24.1	8.9	1986
FOG WITH VIS GE 1/2 MILES	40.1		9.3	15.3	25.8	9.5	1755
TOTAL OBS	3366	0	1168	1336	2335	3405	11610

MONTH: OCT HOURS: ALL

TSTMS	8.7		8.7	13.0	39.1	30.4	23
LIQUID PRECIP	15.5		23.2	24.9	15.9	20.6	1058
FREEZING PRECIP							
FROZEN PRECIP	48.1		11.1	7.4		33.3	27
FOG	42.8		13.0	14.4	17.6	12.2	1715
FOG WITH VIS GE 1/2 MILES	37.1		14.4	15.7	19.4	13.4	1487
TOTAL OBS	3384	0	1286	1377	2077	3717	11841

A - 5 - 5

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV HOURS: ALL

PHENOMFNA	CALM	VARIABLE	351 - 030	031 - 160	161 - 210	211 - 350	NO OF OBS
TSTMS			20.0		20.0	60.0	5
LIQUID PRECIP	17.3		22.0	22.9	12.7	25.1	1389
FREEZING PRECIP	11.4		61.4	9.1		18.2	44
FROZEN PRECIP	11.6		42.2	14.7	1.6	29.8	258
FOG	34.4		15.3	15.2	17.9	17.3	1563
FOG WITH VIS GE 1/2 MILES	30.5		16.6	16.3	18.4	18.3	1444
TOTAL OBS	2797	0	1293	1278	1707	4591	0 11666

MONTH: DEC HOURS: ALL

TSTMS	66.7					33.3	3
LIQUID PRECIP	26.3		25.5	16.6	12.6	19.0	843
FREEZING PRECIP	23.5		43.1	8.0	1.0	24.4	311
FROZEN PRECIP	16.0		38.2	12.2	6.9	26.7	1037
FOG	38.2		21.0	10.7	12.7	17.4	1766
FOG WITH VIS GE 1/2 MILES	32.2		24.2	11.6	13.1	18.9	1502
TOTAL OBS	2895	0	1529	781	1529	4781	0 11515



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	351 - 030	031 - 160	161 - 210	211 - 350	NO OF OBS
TSTMS	12.9		7.5	20.8	26.2	32.6	822
LIQUID PRECIP	17.1		20.9	24.8	17.4	19.8	12302
FREEZING PRECIP	21.6		45.0	11.6	1.1	20.6	722
FROZEN PRECIP	16.6		35.8	13.3	6.3	28.1	4028
FOG	36.6		13.6	15.4	21.0	13.4	18718
FOG WITH VIS GE 1/2 MILES	33.1		14.6	16.5	21.8	14.1	17067
TOTAL OBS	31685	0	15201	15691	26060	51020	0 139657

A - 5 - 7



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	BBBBBBBBBB
PPPPPPPPPP	AAAAAAAAA	RRRRRRRRRR	TTTTTTTTTTT	BBBBBBBBBBBB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPPPP	AA AA	RRRRRRRRRR	TT	BBBBBBBBBBBB
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	BBBBBBBBBBBB
PP	AAAAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BBBBBBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBBBBBB

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## PART B

### PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

#### PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

#### MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

#### DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (\*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

#### SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN POR.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE		NAVY AND NATIONAL WEATHER SERVICE	
THROUGH 1945:	0800 LST	THROUGH JUN 1952:	0030 GMT
JAN 1946 TO MAY 1957:	1230 LST	JUN 1952 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4104-8908  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	46.7	47.2	47.4	46.6	45.6	50.3	54.4	56.8	59.0	62.1	48.8	46.1	51.0
TRACE	17.8	19.3	17.3	17.1	16.7	14.4	13.0	13.0	10.9	12.2	15.9	17.8	15.4
.01	2.9	2.4	3.2	3.3	3.0	2.4	2.0	2.6	3.7	1.7	2.1	1.8	2.6
.02-.05	6.9	6.9	5.8	4.8	7.1	6.3	6.5	6.0	4.7	4.2	7.2	7.9	6.2
.06-.10	3.7	4.8	5.2	5.1	4.1	3.6	3.7	3.5	3.8	2.8	4.0	4.3	4.0
.11-.25	9.2	6.4	6.8	8.5	8.6	8.2	6.2	5.9	6.4	5.4	6.9	8.1	7.2
.26-.50	6.3	5.8	6.7	6.7	6.9	7.1	6.1	4.9	4.1	4.7	6.6	5.9	6.0
.51-1.00	4.6	5.1	5.4	5.2	5.5	5.0	4.9	4.0	4.3	4.6	5.1	5.7	5.0
1.01-2.50	1.7	2.0	2.1	2.7	2.2	2.5	2.0	3.0	2.6	2.2	3.4	2.4	2.5
2.51-5.00	.1	.1	.1	.1	.2	.1	.3	.1	.5	.1		.1	.2
5.01-10.00								.1					.0
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	35.5	33.5	35.3	36.3	37.7	35.4	32.6	30.2	30.1	25.7	35.3	36.1	33.6
TOTAL NO. OF OBSERVATIONS	1472	1355	1488	1470	1519	1470	1519	1519	1440	1488	1439	1464	17643

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OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4104-8908  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41				.75	1.63	3.77	4.83	2.59	1.05	1.82	3.01	2.51	21.96*
42	3.66	2.51	3.69	.62	4.71	3.94	4.74	1.22	4.09	3.40	7.33	5.92	45.83
43	2.61	1.38	3.52	4.90	6.05	3.25	5.75	1.09	1.13	3.81	5.35	.67	39.51
44	1.25	2.52	3.61	4.57	1.20	4.80	2.32	3.24	6.62	2.09	4.93	2.40	39.55
45	3.27	3.73	2.25	6.21	7.57	6.01	6.88	3.63	2.10	2.40	4.21	5.44	53.70
46	3.38	1.88	1.29	2.88	5.01	3.69	4.34	3.68	2.94	1.46	.79	1.62	32.96
47	2.70	3.52	2.55	5.45	4.11	2.38	3.31	2.05	2.54	1.88	5.39	2.98	38.86
48	4.38	1.40	2.45	2.62	5.51	6.55	4.31	3.23	1.18	1.04	6.43	2.75	41.85
49	6.08	3.05	2.70	2.54	4.88	.33	3.16	3.98	3.28	2.58	2.58	3.95	39.11
50	6.06	4.26	2.34	3.57	4.04	4.73	2.02	3.96	1.98	1.73	5.67	5.37	45.73
51	3.71	7.67	5.20	3.83	3.76	5.63	3.61	3.52	2.60	5.29	7.10	4.70	56.62
52	3.27	2.69	2.58	6.07	3.71	4.02	2.88	5.80	4.83	.38	1.14	3.88	41.45
53	5.02	3.08	7.74	6.07	6.43	2.28	2.56	2.34	.82	5.23	2.47	4.02	48.06
54	2.37	1.84	4.09	4.68	4.96	2.09	2.36	5.73	5.45	1.66	4.61	3.30	43.14
55	.63	3.58	3.65	3.96	1.24	3.27	1.60	18.68	3.70	7.38	4.81	.86	53.36
56	2.53	3.76	5.25	3.37	1.28	2.98	3.36	1.08	5.59	1.60	2.78	5.32	38.90
57	2.32	1.61	2.71	3.64	2.60	2.74	2.01	1.99	1.88	1.50	4.77	7.24	35.01
58	4.53	3.49	3.46	5.28	3.73	2.27	6.17	3.58	6.47	4.16	2.87	1.94	47.95
59	3.05	2.35	4.73	4.54	1.02	4.02	3.72	4.83	1.99	9.05	4.42	4.23	47.95
60	2.28	4.42	3.61	4.35	2.91	6.60	6.04	3.21	6.92	2.76	3.17	2.75	49.02
61	2.01	3.74	3.68	5.03	4.75	3.10	4.09	2.58	3.64	2.00	3.51	2.72	40.85
62	3.62	3.78	1.93	3.55	1.77	2.20	1.37	2.52	3.47	5.30	2.56	3.02	35.09
63	2.96	3.84	3.83	2.63	3.14	4.17	2.31	3.08	4.88	.24	5.60	2.61	39.29
64	4.24	2.37	3.33	3.23	1.00	1.39	3.91	2.12	.95	1.50	1.94	4.03	30.01
65	1.96	2.42	1.59	2.02	1.09	2.21	2.40	2.49	3.18	2.09	1.92	1.37	24.74
66	2.44	2.96	2.74	.77	3.49	2.39	2.59	.88	4.66	3.55	3.66	2.87	33.00
67	1.47	2.46	4.18	3.16	4.93	2.86	3.46	2.36	2.51	2.31	2.46	5.11	37.27
68	2.24	1.24	3.09	1.85	2.97	5.72	.36	1.81	1.30	2.52	5.01	4.47	32.58
69	1.19	3.72	2.39	4.56	2.36	2.58	5.13	4.34	2.94	1.67	5.43	6.94	43.25
70	.77	3.63	3.79	3.24	4.16	3.07	2.43	5.22	2.85	1.83	3.29	3.34	57.62
71	2.55	3.18	2.00	1.66	3.65	1.20	4.51	4.80	3.85	3.11	4.58	3.03	38.12
72	1.84	3.93	5.69	4.15	6.09	8.35	3.74	2.44	2.04	2.88	5.78	5.79	52.72
73	2.78	2.14	2.93	6.25	5.44	4.68	2.75	1.74	3.38	1.95	2.06	7.25	43.35
74	4.41	1.93	3.62	3.07	3.52	2.48	4.32	3.54	8.56	2.56	2.15	3.37	43.53
75	4.80	3.82	3.69	2.71	2.39	3.87	9.73	4.62	8.65	5.50	5.82	3.23	58.63

B - 2 - 2A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4104-8908  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	6.26	2.58	1.87	3.51	4.68	2.41	3.07	5.98	1.92	4.96	.62	2.80	40.66
77	2.19	2.34	6.41	4.27	2.97	3.61	3.66	2.87	7.05	6.09	3.48	4.47*	49.41*
78	7.80	2.30	3.12	1.65	2.64	5.10	2.07	6.70	1.01	2.47	1.82	2.90	39.58
79	8.92	2.50	4.87	5.41	4.53	.52	7.69	5.24	4.02	5.87	3.61	2.15	55.33
80	.88	.70	5.72	4.63	1.51	3.59	2.68	2.45	2.51	2.36	3.49	1.10	31.62
81	.42	6.61	.38	3.59	3.01	2.89	4.50	2.03	3.65	4.90	2.20	4.27	38.45
82	3.36	2.78	2.13	4.94	2.08	10.41	3.56	3.54	2.95	2.00	3.19	1.62	42.56
83	4.95	6.23	5.41	8.74	5.34	2.70	2.24	3.82	1.53	5.10	6.79	6.03	59.88
84	2.32	5.14	3.42	3.49	11.56	2.86	4.70	.40	1.62	3.16	2.65	2.48	43.80
85	.90	1.66	1.99	1.27	3.31	4.41	7.28	6.82	3.63	2.26	5.66	1.32	40.51
86	5.04	2.55	2.71	1.20	2.58	7.98	4.61	2.08	.94	2.01	4.50	4.60	40.80
87	4.12	.18	4.32	5.54	1.87	3.72	1.03	4.01	6.89	3.63	3.39	1.56	40.26
88	2.62	3.28	2.11	3.26	2.82	.50	7.50	2.98	1.88	1.60	7.56	1.22*	37.33*
89	1.04	2.12	2.61	3.49	9.71	6.70	3.65	5.61					34.93*
.....													
LEAST	.42	.18	.38	.62	1.00	.33	.36	.40	.82	.24	.62	.67	24.74
GREATEST	8.92	7.67	7.74	8.74	11.56	10.41	9.73	18.68	8.65	9.05	7.56	7.25	58.88
MEAN	3.19	3.02	3.39	3.73	3.79	3.73	3.82	3.64	3.41	3.06	3.93	3.52	42.25
MEDIAN	2.74	2.74	3.38	3.57	3.52	3.27	3.61	3.23	2.95	2.44	3.56	3.13	40.80
SD	1.835	1.414	1.408	1.655	2.138	2.030	1.867	2.674	2.050	1.820	1.743	1.694	7.633
.....													
TOTAL OBS	1472	1355	1488	1470	1519	1470	1519	1519	1440	1488	1439	1464	17643

THE GREATEST VALUE OF 18.68 OCCURRED ON 08/55

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4104-8908  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41				.34	.70	1.04	1.36	1.02	.50	.51	1.62	.62	1.62*
42	1.44	.80	1.15	.28	1.59	1.59	1.48	.60	1.70	1.13	1.85	2.09	2.09
43	.88	.59	.92	.89	.95	1.10	1.28	.39	.53	1.06	2.17	.30	2.17
44	.76	.64	.76	1.65	.38	2.05	1.15	2.11	3.22	1.00	2.33	.49	3.22
45	1.08	1.57	.76	3.56	1.25	1.55	2.41	1.57	.72	.65	1.23	.90	3.56
46	.95	.56	.56	1.47	1.68	1.21	1.84	.61	1.36	.59	.34	.87	1.84
47	.74	2.10	1.50	1.74	1.23	.87	.85	.98	.94	.92	2.43	.79	2.43
48	.80	.52	.61	.83	1.03	1.26	1.42	1.59	.84	.40	2.28	.65	2.28
49	1.46	.98	.90	.79	2.09	.22	1.42	1.77	.80	1.12	.70	.76	2.09
50	1.82	.81	.58	1.52	1.19	1.64	.64	2.02	.45	.85	2.19	1.70	2.19
51	.88	3.25	1.34	1.80	1.47	1.49	1.15	.75	1.66	2.38	1.98	.99	3.25
52	.82	.76	1.06	1.63	.89	1.84	2.08	1.88	2.54	.29	.70	1.80	2.54
53	1.35	1.06	1.63	1.53	1.44	.76	1.13	.66	1.33	1.05	1.28	1.63	1.63
54	.39	.62	1.08	2.00	1.22	.86	.78	2.08	2.52	.75	1.63	1.08	2.52
55	.29	.91	1.04	.91	.53	.80	.65	7.55	1.65	1.47	2.20	.49	7.55
56	.68	.85	1.01	.58	.39	.82	1.19	.27	2.85	.60	.54	.95	2.85
57	.72	.49	.80	.89	.94	.90	1.06	.99	1.35	.55	.89	2.13	2.13
58	1.14	1.70	1.22	1.47	1.08	.48	1.58	.77	1.94	2.07	1.24	.60	2.07
59	.99	.56	1.08	1.64	.40	1.37	1.93	2.47	1.35	3.37	.90	1.30	3.37
60	1.08	1.98	1.25	1.16	.71	2.36	1.86	1.90	3.88	.97	1.55	1.02	3.88
61	.72	1.51	.84	1.31	.95	.94	1.24	.95	1.90	1.11	1.00	.63	1.90
62	1.90	1.12	1.64	1.33	.63	.77	.59	1.06	1.13	1.55	.86	.93	1.90
63	1.01	1.77	1.05	1.60	.82	.95	1.02	.98	2.37	.18	1.26	1.16	2.37
64	1.35	.78	1.22	.60	.36	.38	.95	1.01	.46	.82	.60	.85	1.35
65	.52	1.01	.35	.81	.50	1.01	1.17	.89	1.01	.68	.87	.59	1.17
66	.71	1.34	.88	.44	.71	1.49	.62	.26	1.51	1.12	1.53	1.30	1.53
67	.76	.64	1.35	.60	2.02	.81	1.09	.52	1.08	.88	.53	1.39	2.02
68	.52	.74	.82	.76	.90	1.24	.23	.50	.57	.92	1.04	1.84	1.84
69	.48	1.75	1.05	1.14	.98	1.57	1.73	2.44	.93	.46	1.95	1.34	2.44
70	.20	1.72	1.04	2.09	1.64	1.11	.81	1.61	.91	.74	.64	.74	2.09
71	.69	.78	.62	.47	1.03	.90	1.46	1.64	2.06	1.93	1.22	1.08	2.06
72	.40	1.30	1.82	1.02	2.25	2.48	1.45	1.04	.54	1.88	1.40	1.30	2.48
73	1.09	1.38	.80	1.62	1.27	1.24	.71	.97	1.54	1.26	.63	3.00	3.00
74	1.04	.63	1.53	.76	1.14	.92	2.32	1.67	1.78	1.41	.50	1.19	2.32
75	.96	1.58	1.42	2.05	.73	1.68	4.11	1.64	2.79	1.74	1.47	1.05	4.11

B - 2 - 3A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4104-8908  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	1.92	.69	.34	1.66	1.12	.58	.72	1.24	.41	1.17	.24	1.73	1.92
77	.94	.82	2.35	1.17	1.80	.84	1.24	1.21	1.65	2.00	1.04	1.12*	2.35*
78	1.97	1.50	1.05	.35	.51	1.78	1.09	2.32	.63	1.27	.52	1.12	2.32
79	2.81	1.16	2.71	2.40	1.17	.22	4.35	1.31	1.39	2.66	1.55	1.20	4.35
80	.63	.53	1.55	2.12	.68	1.25	.94	1.39	1.65	.62	1.02	.29	2.12
81	.24	1.80	.15	.68	1.24	.87	1.20	.97	.83	.95	.96	1.14	1.80
82	1.61	1.30	.46	1.32	1.34	3.51	2.14	2.70	1.08	1.17	1.57	.69	3.51
83	1.65	3.19	.71	1.73	.87	1.15	1.19	.98	1.30	1.72	1.89	1.57	3.19
84	.70	1.29	.89	1.13	2.73	.80	2.19	.27	1.02	.99	1.07	.67	2.73
85	.36	.77	1.21	.54	.79	.69	2.71	2.43	.82	.79	1.14	.35	2.71
86	2.28	.67	.98	.21	.73	3.74	1.75	.53	.30	.52	1.19	1.40	3.74
87	.99	.12	2.78	1.13	.56	1.77	.53	1.78	2.44	1.52	1.65	.32	2.78
88	.58	.94	.55	2.19	.89	.10	2.56	1.64	1.42	.70	2.30	.35*	2.56*
89	.27	1.03	.72	.74	3.64	2.40	1.01	3.18					3.64*
.....													
GREATEST	2.81	3.25	2.78	3.56	3.64	3.74	4.35	7.55	3.88	3.37	2.43	3.00	7.55
.....													
TOTAL OBS	1472	1355	1488	1470	1519	1470	1519	1519	1440	1488	1439	1464	17643
.....													

THE GREATEST VALUE OF 7.55 OCCURRED ON 08/19/55

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4503-8908  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	59.6	60.7	69.6	90.2	99.2	100.0	100.0	100.0	100.0	98.2	85.9	63.2	85.8
TRACE	18.1	18.7	16.6	6.3	.6					1.5	9.9	17.8	1.3
0.1-0.4	6.7	6.8	3.7	1.0						.1	1.1	4.6	1.4
0.5-1.4	5.4	6.7	4.3	1.3	.1					.1	1.4	6.1	4.1
1.5-2.4	4.1	2.4	2.1	.7						.1	.6	3.5	1.1
2.5-3.4	1.6	1.2	1.2	.2							.2	2.1	.8
3.5-4.4	1.6	.7	.4	.1							.6	1.1	.4
4.5-6.4	1.6	1.0	1.4	.1	.1						.2	.8	.4
6.5-10.4	1.2	1.0	.6								.1	.7	.3
10.5-15.4	.1	.7	.2	.1							.1	.3	.1
15.5-25.4		.1											.1
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS	22.3	20.6	13.8	3.5	.1					.2	4.2	19.0	6.9
TOTAL NO. OF OBSERVATIONS	1348	1242	1395	1350	1395	1350	1395	1395	1320	1364	1319	1340	16215

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OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4503-8908  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
45			1.7	TRACE	TRACE	.0	.0	.0	.0	.0	.3	25.4	27.4*
46	24.6	3.5	.0	.6	.0	.0	.0	.0	.0	.0	TRACE	6.8	35.5
47	5.6	10.7	6.0	1.0	.0	.0	.0	.0	.0	.0	TRACE	26.0	49.3
48	37.1	13.6	13.8	TRACE	.0	.0	.0	.0	.0	.0	1.4	6.7	72.6
49	24.2	16.3	14.3	.0	.0	.0	.0	.0	.0	.0	5.7	11.7	72.2
50	9.3	29.0	4.3	3.0	.0	.0	.0	.0	.0	.0	TRACE	7.4	53.0
51	15.5	6.6	8.7	.0	.0	.0	.0	.0	.0	.0	4.5	13.7	49.0
52	15.1	8.9	8.6	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	32.6
53	12.5	9.8	TRACE	4.9	.0	.0	.0	.0	.0	.0	1.5	TRACE	28.7
54	18.6	.8	1.9	1.7	.0	.0	.0	.0	.0	.0	TRACE	.4	23.4
55	1.0	7.8	12.1	2.0	.0	.0	.0	.0	.0	TRACE	2.6	3.0	28.5
56	5.2	12.9	36.0	4.6	TRACE	.0	.0	.0	.0	.0	4.7	19.2	82.6
57	14.4	3.7	10.8	6.0	.0	.0	.0	.0	.0	TRACE	TRACE	4.4	39.3
58	11.8	26.2	11.6	TRACE	.0	.0	.0	.0	.0	TRACE	1.8	11.5	62.9
59	7.7	6.0	28.3	TRACE	.0	.0	.0	.0	.0	.0	.7	6.2	48.9
60	9.6	7.2	18.8	.6	.0	.0	.0	.0	.0	TRACE	TRACE	20.6	56.8
61	22.0	12.9	17.9	2.5	.0	.0	.0	.0	.0	.0	5.7	11.2	72.0
62	2.3	22.7	2.3	.5	.0	.0	.0	.0	.0	.9	1.7	17.1	47.5
63	11.0	15.1	11.8	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	15.7	53.6
64	16.4	20.3	4.3	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	12.1	53.1
65	19.3	4.3	7.5	1.0	.0	.0	.0	.0	.0	.0	TRACE	1.7	33.8
66	25.0	15.7	6.8	.3	TRACE	.0	.0	.0	.0	TRACE	TRACE	13.2	61.1
67	2.9	23.0	35.6	2.2	TRACE	.0	.0	.0	.0	.0	6.6	21.8	92.1
68	8.8	1.2	6.7	.0	.0	.0	.0	.0	.0	.0	7.8	11.5	36.1
69	.4	28.5	6.1	.0	.0	.0	.0	.0	.0	.0	TRACE	35.8	70.8
70	4.6	6.3	16.5	2.1	TRACE	.0	.0	.0	.0	TRACE	TRACE	26.8	56.3
71	18.5	12.3	11.0	4.8	.0	.0	.0	.0	.0	.0	15.2	10.9	72.7
72	5.6	31.7	13.7	7.1	.0	.0	.0	.0	.0	.2	8.0	12.9	79.2
73	14.2	4.0	TRACE	.2	.0	.0	.0	.0	.0	.0	TRACE	3.6	22.6
74	16.0	13.3	1.7	2.5	.0	.0	.0	.0	.0	TRACE	.5	4.0	38.0
75	20.1	17.6	2.1	.3	.0	.0	.0	.0	.0	.0	2.7	16.4	59.2

B - 3 - 2A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4503-8908  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	19.9	3.3	9.2	TRACE	.0	.0	.0	.0	.0	.0	2.7	8.2	43.3
77	20.5	11.2	8.4	.9	5.4	.0	.0	.0	.0	.0	1.4	8.2*	56.0*
78	27.9	22.1	9.5	TRACE	.0	.0	.0	.0	.0	.0	3.8	11.6	74.9
79	10.1	4.5	TRACE	2.7	.0	.0	.0	.0	.0	2.0	.0	1.8	21.1
80	.4	6.7	5.2	.0	.0	.0	.0	.0	.0	.0	9.9	5.9	28.1
81	5.9	.8	.8	.0	.0	.0	.0	.0	.0	.0	TRACE	17.5	25.0
82	10.5	5.6	6.0	15.4	.0	.0	.0	.0	.0	.0	TRACE	5.2	42.7
83	13.6	26.7	TRACE	1.5	.0	.0	.0	.0	.0	.0	TRACE	11.1	52.9
84	21.5	2.6	18.7	.0	TRACE	.0	.0	.0	.0	.0	TRACE	4.7	47.5
85	6.9	7.9	1.8	1.4	.0	.0	.0	.0	.0	.0	4.6	5.7	28.3
86	5.9	11.7	.9	.6	.0	.0	.0	.0	.0	.0	8.6	7.0	34.7
87	33.5	2.0	2.2	2.2	.0	.0	.0	.0	.0	TRACE	8.7	7.3	55.9
88	21.9	17.3	5.1	TRACE	.0	.0	.0	.0	.0	TRACE	.0	7.3*	51.6*
89	2.6	4.6	5.4	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	12.6*
LEAST	.4	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	21.1
GREATEST	37.1	31.7	36.0	15.4	5.4	.0	.0	.0	.0	2.0	15.2	35.8	92.1
MEAN	13.6	11.8	8.7	1.6	.1	.0	.0	.0	.0	.1	2.5	11.0	49.7
MEDIAN	13.1	10.3	6.7	.6	.0	.0	.0	.0	.0	.0	.6	11.0	49.0
SD	8.877	8.527	6.593	2.751	.805	.000	.000	.000	.000	.328	3.557	8.109	18.491
TOTAL CCS	1348	1242	1395	1350	1395	1350	1395	1395	1320	1364	1319	1340	16213

THE GREATEST VALUE OF 37.1 OCCURRED ON 01/48

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4503-8908  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
45			1.1	TRACE	TRACE	.0	.0	.0	.0	.0	.3	9.3	9.3*
46	8.4	2.5	.0	.3	.0	.0	.0	.0	.0	.0	TRACE	3.0	8.4
47	2.3	7.5	6.0	1.0	.0	.0	.0	.0	.0	.0	TRACE	7.8	7.8
48	8.0	5.2	6.1	TRACE	.0	.0	.0	.0	.0	.0	1.4	3.6	8.0
49	9.1	10.5	9.0	.0	.0	.0	.0	.0	.0	.0	5.4	4.5	10.5
50	3.7	9.6	2.0	2.0	.0	.0	.0	.0	.0	.0	TRACE	3.0	9.6
51	7.0	2.5	5.3	.0	.0	.0	.0	.0	.0	.0	3.5	4.5	7.0
52	5.0	7.4	6.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	7.4
53	5.7	4.7	TRACE	4.0	.0	.0	.0	.0	.0	.0	1.4	TRACE	5.7
54	3.9	.5	1.9	1.4	.0	.0	.0	.0	.0	.0	TRACE	.4	3.9
55	.6	3.0	7.8	2.0	.0	.0	.0	.0	.0	TRACE	2.6	1.1	7.8
56	2.2	5.9	10.2	4.6	TRACE	.0	.0	.0	.0	.0	3.7	6.3	10.2
57	4.8	2.3	5.6	2.5	.0	.0	.0	.0	.0	TRACE	TRACE	2.6	5.6
58	6.3	17.0	4.5	TRACE	.0	.0	.0	.0	.0	TRACE	1.8	6.0	17.0
59	3.7	3.5	10.8	TRACE	.0	.0	.0	.0	.0	.0	.7	2.9	10.8
60	3.1	3.0	7.2	.6	.0	.0	.0	.0	.0	TRACE	TRACE	13.0	13.0
61	6.4	12.3	8.3	1.3	.0	.0	.0	.0	.0	.0	5.7	6.4	12.3
62	2.3	5.8	2.3	.5	.0	.0	.0	.0	.0	.9	1.7	7.1	7.1
63	7.4	8.3	4.8	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	4.1	8.3
64	9.1	9.3	2.8	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	7.1	9.3
65	8.0	1.2	3.0	1.0	.0	.0	.0	.0	.0	.0	TRACE	1.0	8.0
66	7.9	12.2	3.9	.3	TRACE	.0	.0	.0	.0	TRACE	TRACE	3.2	12.2
67	1.0	8.0	12.2	2.2	TRACE	.0	.0	.0	.0	.0	4.2	13.6	13.6
68	2.5	1.0	2.9	.0	.0	.0	.0	.0	.0	.0	4.3	3.7	4.3
69	.2	12.7	5.5	.0	.0	.0	.0	.0	.0	.0	TRACE	12.7	12.7
70	2.1	3.9	4.5	2.1	TRACE	.0	.0	.0	.0	TRACE	TRACE	7.2	7.2
71	7.1	5.9	3.0	3.7	.0	.0	.0	.0	.0	.0	12.2	3.0	12.2
72	2.4	13.0	6.9	3.0	.0	.0	.0	.0	.0	.2	4.1	4.9	13.0
73	10.4	1.5	TRACE	.2	.0	.0	.0	.0	.0	.0	TRACE	2.2	10.4
74	8.2	9.1	1.4	2.0	.0	.0	.0	.0	.0	TRACE	.3	3.7	9.1
75	8.8	8.6	.8	.3	.0	.0	.0	.0	.0	.0	1.7	7.6	8.8

B - 3 - 3A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4503-8908  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	4.1	2.1	2.8	TRACE	.0	.0	.0	.0	.0	.0	2.7	3.1	4.1
77	7.4	4.8	4.3	.9	4.5	.0	.0	.0	.0	.0	1.4	2.8*	7.4*
78	12.1	15.0	3.1	TRACE	.0	.0	.0	.0	.0	.0	1.1	7.3	15.0
79	3.3	3.2	TRACE	2.5	.0	.0	.0	.0	.0	2.0	.0	1.6	3.3
80	.4	5.6	4.6	.0	.0	.0	.0	.0	.0	.0	9.9	3.4	9.9
81	3.0	.7	.4	.0	.0	.0	.0	.0	.0	.0	TRACE	5.2	5.2
82	3.8	2.9	2.4	13.4	.0	.0	.0	.0	.0	.0	TRACE	2.1	13.4
83	7.3	15.0	TRACE	1.5	.0	.0	.0	.0	.0	.0	TRACE	5.1	15.0
84	7.0	1.3	6.1	.0	TRACE	.0	.0	.0	.0	.0	TRACE	3.4	7.0
85	2.1	4.2	1.0	1.4	.0	.0	.0	.0	.0	.0	2.4	2.4	4.2
86	2.8	5.8	.5	.6	.0	.0	.0	.0	.0	.0	4.4	3.1	5.8
87	7.6	.9	1.3	1.6	.0	.0	.0	.0	.0	TRACE	5.5	3.4	7.6
88	6.4	7.0	2.9	TRACE	.0	.0	.0	.0	.0	TRACE	.0	2.7*	7.0*
89	2.1	2.0	2.4	TRACE	.0	.0	.0	.0					2.4*
GREATEST	12.1	17.0	12.2	13.4	4.5	.0	.0	.0	.0	2.0	12.2	13.6	17.0
TOTAL OBS	1348	1242	1395	1350	1395	1350	1395	1395	1320	1364	1319	1340	16213

THE GREATEST VALUE OF 17.0 OCCURRED ON 02/16/58

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4104-8908  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	23.0	27.0	59.1	95.9	100.0	100.0	100.0	100.0	100.0	99.9	93.1	54.0	79.8
TRACE	13.5	13.7	14.1	2.1						.1	2.8	9.0	4.5
1	9.9	9.6	7.1	.5							1.8	10.4	3.2
2	9.6	9.2	5.2	.7							.7	8.1	2.7
3	10.1	5.7	3.4	.3							.7	5.8	2.1
4-6	12.9	12.0	5.6	.3							.6	7.2	3.1
7-12	14.1	16.2	4.5	.1							.4	4.3	3.2
13-24	6.8	6.4	1.0	.1								1.2	1.3
25-36	.1	.2											.0
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS	63.5	59.3	26.8	2.0							4.2	37.0	15.7
TOTAL NO. OF OBSERVATIONS	1472	1355	1488	1470	1519	1470	1519	1519	1440	1488	1439	1464	17643



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4104-8908  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41				0	0	0	0	0	0	0	0	2	2*
42	4	5	2	2	0	0	0	0	0	0	0	4	5
43	10	10	3	1	0	0	0	0	0	0	3	TRACE	10
44	2	9	9	0	0	0	0	0	0	0	0	10	10
45	13	15	2	0	0	0	0	0	0	0	3	14	15
46	16	16	6	TRACE	0	0	0	0	0	0	0	3	16
47	7	10	4	TRACE	0	0	0	0	0	0	0	15	15
48	24	24	13	0	0	0	0	0	0	0	1	4	24
49	5	9	12	0	0	0	0	0	0	0	5	7	12
50	2	14	10	3	0	0	0	0	0	0	0	2	14
51	10	5	4	0	0	0	0	0	0	0	1	8	10
52	6	9	5	0	0	0	0	0	0	0	0	0	9
53	8	5	TRACE	3	0	0	0	0	0	0	0	TRACE	8
54	9	2	0	1	0	0	0	0	0	0	0	TRACE	9
55	TRACE	3	4	2	0	0	0	0	0	0	3	1	4
56	2	5	24	4	0	0	0	0	0	0	2	5	24
57	8	5	3	3	0	0	0	0	0	0	TRACE	4	8
58	8	23	4	0	0	0	0	0	0	0	TRACE	7	23
59	3	5	8	0	0	0	0	0	0	0	TRACE	4	8
60	5	3	12	0	0	0	0	0	0	0	0	13	13
61	22	31	8	0	0	0	0	0	0	0	6	9	31
62	4	14	7	TRACE	0	0	0	0	0	0	1	9	14
63	10	9	12	0	0	0	0	0	0	0	0	9	12
64	12	15	7	0	0	0	0	0	0	0	0	7	15
65	10	5	3	0	0	0	0	0	0	0	0	1	10
66	10	13	7	0	0	0	0	0	0	0	0	8	13
67	6	10	15	0	0	0	0	0	0	0	1	15	15
68	19	2	3	0	0	0	0	0	0	0	2	5	19
69	5	16	18	0	0	0	0	0	0	0	0	20	20
70	19	7	5	4	0	0	0	0	0	0	0	15	19
71	14	11	4	3	0	0	0	0	0	0	11	3	14
72	5	15	12	4	0	0	0	0	0	0	2	5	15
73	12	12	TRACE	TRACE	0	0	0	0	0	0	0	3	12
74	13	10	2	1	0	0	0	0	0	0	1	3	13
75	8	9	1	TRACE	0	0	0	0	0	0	2	15	15

B - 4 - 2A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4104-8908  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	11	3	5	0	0	0	0	0	0	0	1	4	11
77	19	15	6	TRACE	0	0	0	0	0	0	1	5*	19*
78	25	20	11	0	0	0	0	0	0	0	1	6	25
79	5	4	TRACE	2	0	0	0	0	0	TRACE	0	1	5
80	TRACE	4	4	0	0	0	0	0	0	0	9	3	9
81	3	TRACE	TRACE	0	0	0	0	0	0	0	0	5	5
82	8	5	1	15	0	0	0	0	0	0	0	2	15
83	11	21	2	TRACE	0	0	0	0	0	0	0	3	21
84	12	6	9	0	0	0	0	0	0	0	0	3	12
85	3	8	TRACE	1	0	0	0	0	0	0	2	3	8
86	3	6	2	TRACE	0	0	0	0	0	0	4	2	6
87	19	18	4	TRACE	0	0	0	0	0	0	7	2	19
88	12	13	2	0	0	0	0	0	0	0	0	4*	13*
89	TRACE	2	2	0	0	0	0	0					2*
GREATEST	25	31	24	15	0	0	0	0	0	TRACE	11	20*	31*
TOTAL OBS	1472	1355	1488	1470	1519	1470	1519	1519	1440	1488	1439	1464	17643

THE GREATEST VALUE OF 31 OCCURRED ON 02/05/61

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA

PERIOD OF RECORD: 4104-8908  
SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
41 - 42			DEC 29			APR 11
42 - 43			DEC 14			APR 08
43 - 44			NOV 23			MAR 24
44 - 45	MAR 01	MAR 01	DEC 19	MAY 11	MAR 23	MAR 13
45 - 46	NOV 23	NOV 30	NOV 30	APR 13	APR 09	MAR 04
46 - 47	NOV 30	DEC 20	DEC 21	APR 21	APR 20	MAR 17
47 - 48	NOV 12	DEC 05	DEC 06	APR 03	MAR 11	MAR 16
48 - 49	NOV 29	NOV 29	NOV 30	MAR 18	MAR 18	MAR 21
49 - 50	NOV 07	NOV 27	NOV 28	APR 29	APR 14	APR 14
50 - 51	NOV 11	DEC 15	DEC 16	MAR 23	MAR 22	MAR 05
51 - 52	NOV 01	NOV 03	NOV 26	MAR 20	MAR 20	MAR 20
52 - 53	OCT 20	JAN 07	JAN 07	APR 20	APR 19	APR 14
53 - 54	NOV 06	NOV 06	JAN 06	APR 04	APR 04	APR 01
54 - 55	NOV 01	DEC 21	FEB 01	APR 04	APR 03	APR 04
55 - 56	OCT 25	NOV 19	NOV 20	MAY 02	APR 08	APR 09
56 - 57	NOV 09	NOV 18	NOV 18	APR 14	APR 09	APR 09
57 - 58	OCT 27	DEC 11	DEC 12	APR 12	MAR 22	MAR 22
58 - 59	OCT 26	NOV 28	DEC 04	APR 28	MAR 28	MAR 29
59 - 60	NOV 07	NOV 29	DEC 22	APR 09	APR 08	MAR 25
60 - 61	OCT 24	DEC 12	DEC 12	APR 19	APR 13	MAR 26
61 - 62	NOV 20	NOV 20	NOV 21	APR 16	APR 12	MAR 17
62 - 63	OCT 26	OCT 26	NOV 19	APR 11	MAR 21	MAR 25
63 - 64	OCT 29	DEC 02	DEC 03	APR 20	MAR 18	MAR 19
64 - 65	OCT 21	DEC 05	DEC 06	APR 18	APR 18	MAR 30
65 - 66	NOV 01	DEC 11	DEC 12	MAY 09	APR 28	MAR 17
66 - 67	OCT 20	DEC 02	DEC 02	MAY 26	APR 24	MAR 26
67 - 68	NOV 07	NOV 09	NOV 15	MAR 24	MAR 13	MAR 16
68 - 69	NOV 10	NOV 10	NOV 11	MAR 31	MAR 30	MAR 30
69 - 70	NOV 06	DEC 01	DEC 02	MAY 06	APR 02	APR 03
70 - 71	OCT 17	DEC 06	DEC 06	APR 25	APR 24	APR 07

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA

PERIOD OF RECORD: 4104-8908

SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
71 - 72	NOV 07	NOV 16	NOV 25	APR 22	APR 11	APR 09
72 - 73	OCT 09	OCT 19	NOV 15	APR 11	APR 05	FEB 26
73 - 74	NOV 06	DEC 16	DEC 17	APR 10	APR 10	APR 10
74 - 75	OCT 03	NOV 25	NOV 26	APR 26	APR 07	MAR 15
75 - 76	NOV 14	NOV 24	NOV 25	APR 11	MAR 19	MAR 20
76 - 77	NOV 08	NOV 10	NOV 11	MAY 10	MAY 10	MAR 23
77 - 78	NOV 13	NOV 28	NOV 28	APR 04	MAR 26	MAR 18
78 - 79	NOV 21	NOV 21	NOV 28	APR 14	APR 09	APR 09
79 - 80	OCT 10	OCT 10	DEC 14	MAR 25	MAR 25	MAR 16
80 - 81	NOV 18	NOV 18	NOV 18	MAR 21	MAR 21	JAN 23
81 - 82	NOV 22	DEC 06	DEC 06	APR 28	APR 07	APR 12
82 - 83	NOV 13	DEC 10	DEC 11	APR 20	APR 19	MAR 01
83 - 84	NOV 04	DEC 01	DEC 05	MAY 16	MAR 31	MAR 31
84 - 85	NOV 13	DEC 06	DEC 06	APR 08	APR 08	APR 08
85 - 86	NOV 16	NOV 16	NOV 17	APR 23	APR 06	MAR 04
86 - 87	NOV 05	NOV 11	NOV 12	APR 30	APR 29	MAR 08
87 - 88	OCT 04	NOV 10	NOV 11	APR 16	MAR 15	MAR 15
88 - 89	OCT 07	DEC 04	DEC 14	APR 10	MAR 24	MAR 25
MEDIAN-DATE	NOV 06	NOV 29	DEC 02	APR 16	APR 06	MAR 24

PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	CCCCC
PPPPPPP	AAAAAAA	RRRRRRR	TTTTTTTTT	CCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPP	AA AA	RRRRRRR	TT	CC
PPPPPPP	AAAAAAA	RRRRRRR	TT	CC
PP	AAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCC
PP	AA AA	RR RR	TT	CCCCC

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PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE

FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS)  
THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET.  
IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED:  
WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST  
BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4503-4605,4901-8908  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
45			NW 41	NW 45	N 50	SW 39	W 39	NW 24	NW 37	NW 42	NE 54	NNE 42	NE *54
46	NW 55	NW 52	W 36	WNW*44	NNE*40								NW *55
49	NW *35	NW *52	NNW*49	W *40	*	ENE*27	S *32	*	*	*	*	*	NW *52
50	WNW*38	*	*	SSW 41	NNW 48	SSW 37	ENE 34	NE 33	NNE 49	W 41	ENE 69	N *46	ENE*69
51	NW 38	S 56	N 44	ESE 40	NNE 48	NNW 36	NNW 30	NNE 38	NW 34	WNW 43	NNW 42	NW 43	S 56
52	NE 43	N 49	NW 46	NW 39	NNW 44	NNW 49	WNW 30	S 44	SW 37	NW 36	E 42	WNW 41	N 49
53	N 45	WNW 51	NNW 43	WNW 43	NW 30	NW 40	WNW 39	SSW 29	S 30	NNW 36	ENE 58	WNW 44	ENE 58
54	NW 43	S 36	WSW 39	NW 47	ENE 36	SW 35	W 47	NNE 62	N 60	SSE 49	WNW 41	ENE 47	NNE 62
55	NW 46	WNW 46	WNW 48	NNE 39	WSW 34	N 45	WNW 33	NE 46	NNE 30	E 40	W 44	WNW 47	WNW 48
56	NNW 45	W 45	NNW 60	ENE 61	NNW 36	SW 44	SSW 28	W 34	WNW 31	N 30	SSW 45	WNW 43	ENE 61
57	WNW 33	WNW 34	WNW 36	WNW 32	NW 44	WSW 42	WNW 31	SSW 25	S 26	S 31	S 39	WNW 54	WNW 54
58	NE 36	NW 46	NNE 41	SSW 35	NW 30	W 32	NNW 36	NW 34	NW 27	WNW 30	W 35	WNW 35	NW 46
59	NW 43	WNW 44	W 38	WNW 32	NNW 28	W 36	SSW 24	SSW 28	NNW 29	NNW 36	N 42	S 41	WNW 44
60	WNW 39	ENE 42	N 36	WNW 40	NW 26	W 30	NW 29	WSW 26	WNW 40	WNW 30	WNW 37	WNW 38	ENE 42
61	WNW 33	NNW 36	NW 30	NW 31	NW 31	NNW 36	NNW 33	SW *37	NNE*36	NW *26	NW *34	NW 36	SW *37
62	NW 40	NW 32	SW 36	NW 45	SW 28	WNW 36	SW 31	SW *24	ENE*27	N *39	N *36	NNW*46	NNW*46
63	NW *41	NW *42	WNW 38	WNW*55	NW *42	WNW*31	SSW*42	W *32	SSW*30	NNW 36	WNW 38	WNW 42	WNW*55
64	WNW 44	WNW 42	SSW 41	WSW 35	NNW 38	NW 42	W 48	WNW 26	SSW 33	NW 30	NW 42	NW 41	W 48
65	N 37	NW 41	NW 36	WNW 37	W 58	NW 31	SSW 30	WNW 34	SSW 33	NW 45	NW 45	NNE 30	W 58
66	WNW 42	NW 37	NW 63	NW 35	WNW 36	W 38	NW 34	WSW 33	W 30	NW 36	S 30	WNW 40	NW 63
67	SSW 32	WSW 47	NW 37	NW 47	S 38	WNW 34	NW 33	NW 42	N 29	SSW 40	WNW 37	NW 40	WSW 47
68	WNW*37	WNW 44	WNW 43	NW 38	WNW 30	NW 28	29/ 33	33/ 46	24/ 26	30/ 30	05/ 35	02/ 42	33/*46
69	30/ 45	30/ 54	01/ 37	31/ 32	36/ 52	22/ 26	30/ 28	20/ 26	20/ 22	29/ 32	35/ 32	19/ 33	30/ 54
70	31/ 36	31/ 46	35/ 35	29/ 49	34/ 28	35/ 27	03/ 25	28/*24	27/ 26	30/ 36	31/ 29	31/ 42	29/*49
71	30/ 43	19/ 44	27/ 48	35/ 42	19/ 31	28/ 45	21/ 34	14/ 48	27/ 23	32/ 28	05/ 36	31/ 50	31/ 50
72	30/ 44	05/ 44	30/ 36	32/ 36	34/ 29	28/ 33	36/ 40	26/ 25	02/ 34	31/ 34	05/ 41	29/ 41	30/ 44
73	31/ 40	36/ 35	18/ 40	31/ 32	34/*30	36/ 38	26/ 25	27/ 32	30/ 29	32/ 38	32/ 45	27/ 35	32/*45
74	31/ 43	28/ 50	31/ 53	31/ 35	31/ 48	30/ 29	02/ 30	22/ 31	16/ 36	31/ 34	33/ 35	05/ 37	31/ 53
75	30/ 61	24/ 45	30/ 37	28/ 44	36/ 35	15/ 30	32/ 33	34/ 33	31/ 34	32/ 30	35/ 44	01/ 49	30/ 61

C - 2 - 1A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4503-4605,4901-8908  
MONTH: ALL HOURS: ALL

YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN	
76	30/	55	28/	49	31/	49	31/	34	29/	33	33/	59	22/	27	29/	44	21/	27	28/	42	26/	33	30/	42	33/	59
77	27/	37	28/	32	06/	47	29/	44	11/	35	32/	41	01/	28	30/	30	30/	35	29/	32	25/	51	30/*	42	25/*	51
78	20/	46	01/	46	31/	35	30/	45	12/	35	29/	33	29/	34	20/	26	35/	32	32/	30	30/	27	30/	49	30/	49
79	07/	41	30/	37	30/	42	28/	42	17/	30	29/	40	29/	27	32/	30	17/	41	28/	33	18/	34	29/	40	30/	42
80	18/	51	33/	30	28/	40	18/	34	36/	33	29/	34	35/	36	25/	36	29/	30	25/	33	32/	39	30/	39	18/	51
81	32/	33	18/	48	31/	37	29/	38	36/	31	26/	41	33/	23	22/	28	33/	34	31/	32	29/	32	32/	40	18/	48
82	29/	54	28/	31	30/	40	27/	40	35/	28	01/	26	34/	21	28/	35	23/	25	23/	26	29/	39	31/	30	29/	54
83	03/	31	36/	33	33/	35	20/	28	23/	34	36/	26	34/	35	29/	28	19/	30	29/	28	31/	36	26/	38	26/	38
84	27/	27	05/	27	04/	40	32/	27	19/	32	31/	42	20/	25	16/	20	30/	27	35/	27	30/	30	30/	29	31/	42
85	30/	41	29/	38	29/	36	21/	32	34/	30	26/	29	24/	43	35/	25	17/	44	31/	30	28/	26	28/	37	17/	44
86	21/	33	36/	29	30/	35	03/	28	30/	28	22/	30	35/	26	31/	40	34/	28	30/	40	31/	30	36/	41	36/	41
87	35/	37	36/	39	17/	42	28/	34	27/	60	31/	30	23/	25	28/	27	29/	34	20/	35	30/	41	31/	30	27/	60
88	28/	32	31/	33	32/	34	31/	34	19/	31	31/	37	25/	48	17/	35	32/	26	28/	33	30/	46	30/*	34	25/*	48
89	30/	34	33/	34	23/	23	34/	29	17/	34	26/	28	23/	30	30/	25									30/*	34
GREATEST	30/	61 S	56	NW	63	ENE	61	27/	60	33/	59	W	48	NNE	62	N	60	SSE	49	ENE	69	WNW	54		ENE	69
TOTAL OBS	1243		1136		1275		1253	1262		1224		1261	1232		1176		1219		1181		1197				14659	

THE PEAK WIND OF 69 FROM ENE OCCURRED ON 11/25/50

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH  
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4503-4605,4901-8908  
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS											MEAN WIND	MEDIAN WIND	TOTAL OBS
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
JAN	.9	10.1	19.1	18.7	18.5	12.1	11.7	4.8	3.5	.4	.0	20.8	20.0	1243
FEB	.5	6.6	20.0	21.6	19.1	13.0	10.8	4.1	3.7	.5	.0	21.1	20.0	1136
MAR	.3	3.1	17.6	21.1	22.2	16.2	10.0	5.8	3.5	.2	.0	22.1	21.0	1275
APR	.0	2.0	12.1	22.1	28.7	18.2	9.6	4.9	2.3	.2	.0	22.6	22.0	1253
MAY	.0	2.9	15.1	28.1	27.5	14.7	8.1	2.2	1.1	.3	.0	20.8	20.0	1262
JUN	.1	3.8	20.3	35.0	24.6	9.1	4.3	1.6	1.1	.1	.0	19.0	18.0	1224
JUL	.0	6.1	25.5	36.9	21.1	6.0	3.1	.9	.5	.0	.0	17.6	17.0	1261
AUG	.0	8.0	30.6	33.8	17.8	5.4	3.0	.6	.6	.1	.0	16.8	16.0	1232
SEP	.1	8.2	31.2	29.8	19.0	7.6	2.8	.9	.3	.1	.0	17.0	16.0	1176
OCT	.4	9.3	24.4	25.8	21.8	9.4	6.2	1.7	1.1	.0	.0	18.3	18.0	1219
NOV	.3	10.2	21.6	22.9	18.0	13.1	7.9	3.2	2.5	.3	.1	19.6	18.0	1181
DEC	1.3	10.6	20.1	21.8	16.9	12.3	8.8	4.8	3.3	.2	.0	19.9	19.0	1197
ANNUAL	.3	6.7	21.4	26.5	21.3	11.5	7.2	3.0	2.0	.2	.0	19.7	18.0	14659

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.8	4.7	.4	.3								9.2	5.7	5.5
020-040	1.1	.8	.5									2.4	5.8	5.0
050-070	.9	.4										1.3	3.1	2.5
(E) 080-100	.9	.3										1.2	2.9	2.0
110-130	.1	.3										.4	5.3	6.0
140-160	1.6	.4	.1									2.2	3.8	2.5
(S) 170-190	2.2	2.8	.9		.1							6.1	6.2	6.0
200-220	2.0	3.6	1.2	.1								7.0	6.7	6.0
230-250	.9	1.2	.3	.1								2.6	6.1	5.0
(W) 260-280	.8	1.8	.5	.1	.1							3.4	7.8	8.0
290-310	2.0	4.9	5.3	1.9	.1	.3	.1					14.6	10.0	10.0
320-340	2.4	3.8	2.7	.1								9.0	6.9	7.0
VARIABLE														
CALM	////////////////////////////////////											40.7	////////////////////////////////	
TOTALS	18.7	25.0	11.9	2.6	.3	.3	.1					100.0	4.2	6.0
TOTAL NUMBER OF OBSERVATIONS 742														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.6	3.7	1.4	.1								9.8	5.6	5.0
020-040	2.2	.9	.1									3.3	4.3	4.0
050-070	1.1											1.1	2.4	2.0
(E) 080-100	.3	.4										.7	6.4	9.0
110-130	.4											.4	1.7	2.0
140-160	1.4	.4										1.8	3.3	3.0
(S) 170-190	2.6	2.2	1.4	.1								6.2	6.4	5.5
200-220	1.9	1.6	1.5	.1								5.1	7.3	8.0
230-250	.7	1.2	.4	.1	.3							2.7	8.5	8.0
(W) 260-280	1.4	3.4	.5	.3								5.6	6.8	6.0
290-310	2.0	5.1	3.9	2.3	.3	.1						13.8	9.6	9.0
320-340	3.0	2.8	2.6	.1	.1							8.7	7.2	6.0
VARIABLE														
CALM	////////////////////////////////////											40.9	////////////////////////////////	
TOTALS	21.6	21.7	11.8	3.1	.7	.1						100.0	4.2	6.0

TOTAL NUMBER OF OBSERVATIONS 738

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.8	4.1	3.3	.5	.1							11.7	7.2	6.0
020-040	1.8	.7	.4	.1								3.0	4.8	3.0
050-070	1.6	.1	.1									1.8	3.4	2.0
(E) 080-100	.6	.2	.1									.9	4.9	4.0
110-130	.3	.1										.4	4.0	4.0
140-160	1.9	.3	.2		.1							2.5	4.1	3.0
(S) 170-190	2.5	2.8	.6	.1	.1							6.1	5.9	5.0
200-220	2.2	3.2	1.1	.1		.1						6.6	6.4	6.0
230-250	.6	1.8	1.1	.2	.3							4.0	9.2	9.0
(W) 260-280	1.0	2.3	2.0	.5	.1							5.9	8.8	9.0
290-310	1.8	3.0	4.8	1.5	.2	.1						11.4	10.0	10.0
320-340	2.7	3.3	1.7	.4	.1							8.3	7.0	6.0
VARIABLE														
CALM	////////////////////////////////////											37.4	////////////////////////////////	
TOTALS	20.8	21.9	15.4	3.4	1.0	.2						100.0	4.6	6.0
TOTAL NUMBER OF OBSERVATIONS 1450														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.1	5.6	3.3	.7	.3							15.1	7.1	6.0
020-040	1.4	1.8	.8	.3								4.3	6.8	6.0
050-070	.3	.3	.1									.7	4.9	5.0
(E) 080-100	.4	.1										.5	3.6	3.0
110-130	.2	.1										.3	4.5	4.0
140-160	1.3	.3										1.7	3.4	3.0
(S) 170-190	2.4	3.1	.9	.2	.1	.1						6.8	6.8	6.0
200-220	2.2	4.6	1.5	.1	.1							8.4	6.7	6.0
230-250	1.4	2.4	1.0	.6	.1	.1						5.6	8.1	6.5
(W) 260-280	1.2	2.3	3.0	1.1	.2							7.7	10.0	10.0
290-310	1.9	3.9	5.1	2.2	.8	.1						14.0	10.6	10.0
320-340	2.9	3.6	3.2	.7								10.4	7.8	8.0
VARIABLE														
CALM	////////////////////////////////////											24.6	////////////////////////////////	
TOTALS	20.7	28.1	18.9	5.9	1.6	.3						100.0	6.0	7.0
TOTAL NUMBER OF OBSERVATIONS 1806														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.4	6.1	3.0	1.0	.1							14.5	7.2	6.0
020-040	1.3	1.7	.6	.1								3.6	6.1	5.0
050-070	1.2	.7										1.9	3.7	3.0
(E) 080-100	.3	.1										.4	2.9	2.0
110-130	.4											.4	2.5	2.0
140-160	.7	.3										.9	3.9	4.0
(S) 170-190	2.4	3.9	1.4	.2	.1	.1						7.9	6.9	7.0
200-220	3.1	4.0	1.7	.3	.1	.1						9.3	7.0	6.0
230-250	1.8	1.7	.7	.9	.2							5.4	8.3	7.0
(W) 260-280	1.5	2.3	3.1	1.7	.5							9.1	10.6	11.0
290-310	2.1	5.0	7.6	3.9	.8	.3	.1					19.8	11.2	11.0
320-340	3.6	3.9	4.5	.9	.2	.1						13.1	8.3	8.0
VARIABLE														
CALM	////////////////////////////////////											13.6	////////////////////////////////	
TOTALS	22.8	29.7	22.6	9.0	2.0	.6	.1					100.0	7.3	8.0
TOTAL NUMBER OF OBSERVATIONS 1806														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	4.5	2.3	.6	.1							10.9	7.3	7.0
020-040	2.0	1.2	.2	.1	.1							3.5	4.9	4.0
050-070	1.1	.4	.1									1.5	3.9	3.0
(E) 080-100	.4	.2	.1									.7	4.9	4.0
110-130	.3	.2										.4	3.5	2.5
140-160	1.7	.5	.2									2.4	4.4	4.0
(S) 170-190	3.0	4.2	1.7	.2								9.0	6.7	6.0
200-220	3.0	2.9	1.8	.3	.1							8.1	6.8	6.0
230-250	1.4	1.8	1.2	.7	.1							5.1	8.4	7.0
(W) 260-280	1.2	3.3	3.0	1.0	.3	.1						8.9	9.8	9.0
290-310	2.3	6.2	9.8	2.6	.8	1						21.8	10.4	10.0
320-340	3.4	4.9	4.0	.8	.2							13.3	8.0	8.0
VARIABLE														
CALM	////////////////////////////////////											14.3	////////////////////////////////	
TOTALS	23.3	30.3	24.4	6.3	1.7	.2						100.0	7.0	8.0
TOTAL NUMBER OF OBSERVATIONS 1809														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	4.5	3.7	1.6	.4	.1							10.3	6.2	6.0
020-040	1.5	1.0	.2	.2								2.9	5.3	4.0
050-070	1.5	.4	.1		.1							2.0	4.0	3.0
(E) 080-100	.6			.1		.1						.7	5.8	3.0
110-130	.2											.2	2.3	2.0
140-160	1.5	.8		.1								2.4	4.2	3.0
(S) 170-190	2.1	4.1	.8	.4	.1							7.6	6.9	7.0
200-220	1.7	2.4	1.1	.3	.2							5.6	7.4	6.0
230-250	1.1	3.1	.8	.1								5.1	6.8	6.0
(W) 260-280	1.6	4.3	2.5	.3	.3							9.0	8.3	8.0
290-310	2.9	7.5	6.7	1.5	.6	.1						19.4	9.3	9.0
320-340	3.7	4.1	2.3	.3	.3	.1						10.7	7.1	6.0
VARIABLE														
CALM	////////////////////////////////////											24.1	////////////////////////////////	
TOTALS	22.9	31.4	16.1	3.7	1.7	.3						100.0	5.6	7.0

TOTAL NUMBER OF OBSERVATIONS 1809



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.5	3.7	1.5	.4	.1							10.2	6.2	5.0
020-040	1.4	.7	.2									2.3	4.7	4.0
050-070	1.6	.1		.2	.1	.1						2.0	5.0	3.0
(E) 080-100	.9	.2										1.1	2.9	3.0
110-130	.4	.1										.5	2.4	2.0
140-160	1.5	.7	.1									2.3	3.8	3.0
(S) 170-190	3.1	3.4	.9	.1	.1							7.6	5.9	5.0
200-220	1.8	2.6	.9	.4								5.7	7.0	7.0
230-250	1.1	2.3	.6		.1							4.1	6.7	6.0
(W) 260-280	2.0	3.4	2.0	.6	.1							8.1	7.8	7.0
290-310	2.2	5.5	4.7	2.0	.7	.1	.1					15.1	10.0	9.0
320-340	2.6	3.6	2.0	.4	.2							8.8	7.4	7.0
VARIABLE														
CALM	////////////////////////////////////											32.1	////////	
TOTALS	23.1	26.3	12.9	4.1	1.4	.2	.1					100.0	4.9	6.0
TOTAL NUMBER OF OBSERVATIONS 1632														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		4.3	4.6	2.3	.6	.1							11.8	6.8	6.0
020-040		1.6	1.2	.4	.1	.0							3.2	5.5	5.0
050-070		1.2	.3	.0	.0	.0	.0						1.6	3.9	3.0
(E) 080-100		.5	.2	.0	.0		.0						.7	4.2	3.0
110-130		.3	.1										.4	3.2	2.0
140-160		1.4	.5	.1	.0	.0							2.0	3.9	3.0
(S) 170-190		2.5	3.5	1.1	.2	.1	.0						7.4	6.5	6.0
200-220		2.3	3.2	1.4	.2	.1	.0						7.2	6.9	6.0
230-250		1.2	2.1	.8	.4	.1	.0						4.6	7.9	7.0
(W) 260-280		1.4	2.9	2.4	.8	.2	.0						7.7	9.1	9.0
290-310		2.2	5.2	6.3	2.3	.6	.1	.0					16.8	10.2	10.0
320-340		3.1	3.9	3.0	.5	.2	.0						10.6	7.6	7.0
VARIABLE															
CALM		////////////////////////////////////										25.9	////////		
TOTALS		22.0	27.7	17.8	5.1	1.4	.1						100.0	5.7	7.0

TOTAL NUMBER OF OBSERVATIONS 11792

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	10.8	12.7	4.4	.8	.1							28.7	6.2	6.0
020-040	3.8	2.9	1.4	.1								8.2	5.8	5.0
050-070	1.4	1.0	.3	.2								2.9	5.6	5.0
(E) 080-100	.9	.6										1.5	4.6	4.0
110-130	.4	.3										.6	4.2	2.0
140-160	1.3	1.1	.1									2.5	5.2	4.0
(S) 170-190	2.1	3.6	1.6	.4	.2							8.0	7.7	7.0
200-220	1.8	1.5	1.5	.2								5.0	7.3	7.0
230-250	.6	.3		.1								1.1	5.6	4.0
(W) 260-280	.3	.4		.1								.7	6.2	6.0
290-310	1.0	.3	.4	.1	.1							1.9	7.2	4.0
320-340	5.6	2.1	.7	.1	.2	.1						8.9	5.1	3.0
VARIABLE														
CALM	////////////////////////////////////											29.9	////////////////////////////////	
TOTALS	30.0	26.8	10.4	2.1	.6	.1						100.0	4.3	5.0

TOTAL NUMBER OF OBSERVATIONS 1396

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: FEB HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	6.4	4.9	2.6	.7	.2							14.7	6.4	5.0
020-040	2.4	2.3	1.3	.3								6.4	6.1	5.0
050-070	1.5	.3	.3									2.1	4.7	4.0
(E) 080-100	.8	.7										1.5	4.4	4.0
110-130	.8	.2										1.0	2.8	2.0
140-160	1.8											1.8	2.6	2.0
(S) 170-190	3.4	3.6	1.0	.2	.2							8.3	6.0	6.0
200-220	2.8	2.9	.7	.2								6.5	5.8	5.5
230-250	1.3	1.8	.8	.2	.2							4.2	7.6	6.0
(W) 260-280	1.3	1.0	.8	.3								3.4	7.9	7.0
290-310	1.8	2.1	2.9	1.5	1.1							9.4	10.7	10.0
320-340	2.1	3.6	3.3	.3	.3							9.6	8.3	8.0
VARIABLE														
CALM	////////////////////////////////////										31.1	////////////////////////////////		
TOTALS	26.4	23.4	13.7	3.7	2.0							100.0	4.8	6.0
TOTAL NUMBER OF OBSERVATIONS 614														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: FEB HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.5	6.0	2.4	.7	.3							16.0	6.8	6.0
020-040	3.1	2.4	.3	.2	.2							6.2	5.7	4.5
050-070	1.3	.8	.2	.3								2.6	5.9	4.5
(E) 080-100	.8	.3										1.1	3.9	4.0
110-130	.3	.3										.7	4.5	4.5
140-160	1.0	.2										1.1	3.3	3.0
(S) 170-190	2.9	2.6	.7	.3								6.5	5.8	5.0
200-220	3.3	2.0	.5									5.7	5.1	4.0
230-250	.5	1.0	.5	.7	.2							2.8	9.9	8.0
(W) 260-280	.5	2.4	.5	.7								4.1	8.2	6.0
290-310	1.3	2.4	1.5	1.1	.5	.3						7.2	10.9	9.0
320-340	1.8	2.0	4.2	.7	.2							8.8	9.5	10.0
VARIABLE														
CALM	////////////////////////////////////											37.2	////////////////////////////////	
TOTALS	23.3	22.4	10.8	4.7	1.4	.3						100.0	4.6	6.0

TOTAL NUMBER OF OBSERVATIONS 613

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.4	6.8	3.1	.8	.2	.1						16.3	7.1	6.0
020-040	3.2	2.2	.8	.3	.1							6.6	6.0	5.0
050-070	1.2	.8	.2									2.1	4.4	3.5
(E) 080-100	.9	.3										1.2	3.3	3.0
110-130	.4	.1										.5	3.8	3.5
140-160	.8	.4	.2	.1								1.4	5.4	4.0
(S) 170-190	3.2	3.5	.5	.2	.1							7.5	5.5	5.0
200-220	1.7	2.5	.8	.2								5.0	6.4	6.0
230-250	.6	1.4	.4	.3								2.7	7.8	7.0
(W) 260-280	1.1	1.2	1.3	.5	.2							4.1	9.0	9.0
290-310	1.3	3.6	2.9	1.1	.8	.2						9.9	10.3	10.0
320-340	2.8	3.0	2.4	.1	.1	.2						8.6	7.6	7.0
VARIABLE														
CALM	////////////////////////////////////											34.0	////////	
TOTALS	22.6	25.8	12.6	3.6	1.5	.5						100.0	4.8	6.0

TOTAL NUMBER OF OBSERVATIONS 1331

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	4.4	8.8	4.4	.9	.2							18.8	7.7	7.0
020-040	2.0	2.3	1.3	.3	.1	.1						6.0	7.3	6.5
050-070	1.3	1.2	.4									2.9	5.4	5.0
(E) 080-100	.5	.5	.1									1.0	4.8	5.0
110-130	.3	.4	.1									.8	5.5	5.0
140-160	.7	.5	.1	.1	.1							1.4	6.0	6.0
(S) 170-190	2.6	3.8	2.0	.3	.1							8.9	7.1	7.0
200-220	3.1	3.6	1.9	.1			.1					8.7	6.5	6.0
230-250	1.4	1.6	.7	.2								4.0	6.7	6.0
(W) 260-280	.9	1.5	2.1	.5	.2		.1					5.3	9.9	10.0
290-310	1.1	4.2	5.4	2.1	.7	.2						13.7	10.9	11.0
320-340	2.7	3.7	3.6	.8	.2	.1						11.0	8.4	8.0
VARIABLE														
CALM	////////////////////////////////////										17.5	////////////////////////////////		
TOTALS	21.0	32.1	22.1	5.3	1.6	.4	.2					100.0	6.6	7.0
TOTAL NUMBER OF OBSERVATIONS 1689														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	3.3	7.8	3.9	1.0	.2							16.8	7.9	7.0
020-040	1.5	1.8	1.1	.2	.1							4.7	7.4	7.0
050-070	1.1	1.3	.5									2.8	6.0	5.0
(E) 080-100	.8	.9	.2									1.9	5.7	5.0
110-130	.4	.3	.1									.7	4.8	4.5
140-160	.8	.5	.2	.1	.1							1.7	6.4	5.0
(S) 170-190	1.7	3.3	3.7	.4	.2	.1						9.5	8.9	9.0
200-220	3.1	3.4	2.2	.4	.3							9.4	7.7	7.0
230-250	1.8	1.7	.9	.1	.1							4.6	6.5	5.0
(W) 260-280	1.6	2.1	2.7	.9	.7	.1	.1					8.1	10.2	10.0
290-310	2.0	4.0	7.2	4.0	.9	.1	.1					18.2	11.5	12.0
320-340	2.1	4.6	4.7	.9	.3							12.6	9.1	9.0
VARIABLE														
CALM	////////////////////////////////////											8.9	////////////////////////////////	
TOTALS	20.7	31.7	27.4	8.0	2.9	.3	.2					100.0	8.0	8.0

TOTAL NUMBER OF OBSERVATIONS 1689



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	3.4	5.7	2.7	.8	.2	.1						13.0	7.7	7.0
020-040	1.4	1.2	.7	.1	.1	.1						3.6	6.8	6.0
050-070	.9	1.7	.8	.1								3.4	7.0	6.0
(E) 080-100	.8	.6	.4									1.8	5.0	5.0
110-130	.5	.2										.7	4.2	4.0
140-160	1.1	1.4	.7									3.2	6.6	7.0
(S) 170-190	1.9	5.3	3.1	.6	.1							11.0	8.2	8.0
200-220	1.9	2.1	1.7	.5	.2							6.3	8.1	8.0
230-250	1.2	1.8	.8	.2	.1							4.0	7.4	7.0
(W) 260-280	1.1	3.5	2.3	.9	.3	.1						8.2	9.5	9.0
290-310	1.7	5.7	8.6	3.7	.7	.1	.1					20.5	11.0	11.0
320-340	3.1	4.4	5.2	1.2	.1							14.1	8.8	9.0
VARIABLE														
CALM	////////////////////////////////////										10.2	////////		
TOTALS	19.0	33.6	27.0	8.1	1.8	.4	.1					100.0	7.8	8.0

TOTAL NUMBER OF OBSERVATIONS 1689

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: FEB HOURS: 18-20

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		3.9	4.8	1.9	.7	.2	.1						11.5	7.2	6.0
020-040		1.8	1.4	.5	.1	.2							4.0	6.2	5.0
050-070		1.2	1.2	.5	.1								2.9	5.9	5.0
(E) 080-100		.7	.5	.4									1.5	5.9	6.0
110-130		.8	.2	.1									1.1	3.8	3.0
140-160		2.4	1.2	.2									3.7	4.1	4.0
(S) 170-190		2.5	4.8	1.5	.4	.2							9.5	7.3	7.0
200-220		1.1	2.0	1.4	.4								4.7	8.1	8.0
230-250		.8	1.2	.4	.1	.1							2.5	6.8	6.0
(W) 260-280		2.4	1.8	1.1	.5								5.7	7.0	6.0
290-310		3.0	9.2	6.0	2.1	.4							20.7	8.9	8.0
320-340		3.8	4.4	3.0	.6								11.8	7.2	7.0
VARIABLE															
CALM		////////////////////////////////////											20.3	////////////////////////////////	
TOTALS		24.4	32.7	17.0	5.0	1.1	.1						100.0	5.9	7.0
TOTAL NUMBER OF OBSERVATIONS 1691															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	5.7	2.3	.7	.1							11.6	7.4	7.0
020-040	2.4	1.5	.6	.1	.1							4.7	5.5	4.0
050-070	1.8	.7	.1									2.5	4.2	4.0
(E) 080-100	.5	.6	.1									1.2	4.8	5.0
110-130	1.2	.2										1.4	3.4	4.0
140-160	2.9	1.0	.1									3.9	4.0	4.0
(S) 170-190	3.9	2.9	.9	.2	.1							8.2	5.9	5.0
200-220	1.7	1.6	1.1	.1								4.5	7.0	6.0
230-250	1.0	.9	.3	.1	.1							2.4	7.0	5.5
(W) 260-280	1.3	1.7	1.2	.2								4.4	7.3	8.0
290-310	3.1	6.6	4.8	1.2	.2							15.8	8.4	8.0
320-340	3.9	4.4	1.9	.5	.3	.1						11.0	7.1	6.0
VARIABLE														
CALM	////////////////////////////////////											28.3	////////////////////////////////	
TOTALS	26.5	27.8	13.4	3.1	.9	.1						100.0	4.9	6.0
TOTAL NUMBER OF OBSERVATIONS 1494														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: FEB HOURS: ALL

DIRECTION   (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
												%	WIND	WIND
(N) 350-010	4.2	6.5	3.0	.8	.2	.0						14.8	7.4	7.0
020-040	2.1	1.8	.8	.2	.1	.0						5.0	6.5	6.0
050-070	1.2	1.1	.4	.0								2.8	5.7	5.0
(E) 080-100	.7	.6	.2									1.4	5.1	5.0
110-130	.6	.2	.0									.9	4.1	4.0
140-160	1.4	.8	.2	.0	.0							2.4	5.0	4.0
(S) 170-190	2.7	3.9	1.9	.3	.1	.0						9.0	7.2	7.0
200-220	2.2	2.5	1.4	.2	.1		.0					6.5	7.1	6.0
230-250	1.1	1.4	.6	.2	.1							3.4	7.1	6.0
(W) 260-280	1.3	2.0	1.7	.6	.2	.0	.0					5.8	9.0	8.0
290-310	2.0	5.2	5.5	2.3	.6	.1	.0					15.8	10.2	10.0
320-340	2.9	4.0	3.5	.7	.2	.0						11.4	8.2	8.0
VARIABLE														
CALM	////////////////////////////////////											20.9	////////////////////////////////	
TOTALS	22.4	30.0	19.2	5.3	1.6	.1						100.0	6.2	7.0
TOTAL NUMBER OF OBSERVATIONS 10810														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	9.0	14.3	4.8	1.3	.3							29.6	6.9	6.0
020-040	4.6	5.1	2.1	.4	.2							12.4	6.5	6.0
050-070	3.0	5.0	.9	.2								9.1	6.1	6.0
(E) 080-100	1.2	1.9	.5									3.6	5.9	6.0
110-130	.9	.9	.2									1.9	5.0	5.0
140-160	1.8	.8	.2	.2	.2							3.0	5.9	4.0
(S) 170-190	2.3	2.9	2.0	.9	.6	.2						8.9	9.1	8.0
200-220	.9	.6	.7	.3	.2							2.8	8.9	7.0
230-250	.4	.3										.7	4.4	4.0
(W) 260-280	.3											.3	3.0	3.0
290-310	.9	.9	.2		.1							2.0	5.3	5.0
320-340	2.9	1.6	.9	.1								5.5	5.3	4.0
VARIABLE														
CALM	////////////////////////////////////											20.1	////////////////////////////////	
TOTALS	28.2	34.3	12.5	3.4	1.6	.2						100.0	5.4	6.0

TOTAL NUMBER OF OBSERVATIONS 1283

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.3	4.9	3.7	.8								13.6	7.6	7.0
020-040	2.6	3.1	2.1	.3								8.1	6.9	6.0
050-070	1.8	.8										2.6	3.9	4.0
(E) 080-100	1.2	.6	.2									2.0	4.2	4.0
110-130	.6		.2									.8	4.2	3.0
140-160	.9	.2		.2								1.2	4.1	2.0
(S) 170-190	3.8	2.8	.9									7.5	5.4	4.0
200-220	1.1	1.2	.5		.2							2.9	6.4	6.0
230-250	.5	.6	.6	.3								2.0	8.7	8.0
(W) 260-280	.9	1.7	1.1	.5		.2						4.3	8.6	7.0
290-310	2.3	4.9	5.7	.6	.5	.2						14.1	9.1	9.0
320-340	.9	4.6	2.8	.8	.2							11.0	7.5	7.0
VARIABLE														
CALM	////////////////////											29.2	////////	
TOTALS	22.8	25.4	17.8	3.5	.9	.4						100.0	5.1	7.0
TOTAL NUMBER OF OBSERVATIONS 653														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.7	5.2	2.9	1.1								14.9	6.9	6.0
020-040	1.2	3.4	2.3	.5								7.4	7.8	6.5
050-070	2.6	.9	.2		.2							3.8	4.8	4.0
(E) 080-100	.8	1.1										1.8	4.7	5.0
110-130	.6	.2										.8	2.8	2.0
140-160	1.2	.5										1.7	3.8	3.0
(S) 170-190	2.2	2.0	.8	.2								5.1	5.8	5.0
200-220	1.4	.9	1.1									3.4	6.6	6.5
230-250	.9	.9	.6									2.5	6.4	5.0
(W) 260-280	.3	1.2	2.0	.2	.2							3.8	9.9	10.0
290-310	1.8	4.0	4.8	.8	.3							11.7	9.3	9.5
320-340	2.3	3.7	3.2	.5								9.7	8.0	7.0
VARIABLE														
CALM	////////////////////////////////////											33.5	////////	
TOTALS	21.0	24.0	17.9	3.3	.7							100.0	4.9	6.0
TOTAL NUMBER OF OBSERVATIONS 651														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	4.2	5.9	3.0	1.0	.3							14.6	7.6	7.0
020-040	2.5	2.2	1.5	.2								6.4	6.5	6.0
050-070	2.1	.8	.1	.3								3.3	5.2	4.0
(E) 080-100	.8	.8										1.6	4.5	4.5
110-130	.8	.2	.1									1.0	3.5	2.0
140-160	1.0	.3	.3									1.6	4.8	3.0
(S) 170-190	1.8	2.9	1.6	.3								6.5	7.2	7.0
200-220	1.7	2.3	.5	.1								4.6	5.9	5.0
230-250	1.2	.9	.3									2.4	5.2	5.0
(W) 260-280	1.1	1.8	1.6	.3	.1	.1						5.1	9.1	8.5
290-310	1.8	3.8	4.5	1.4	1.0	.2						12.7	10.7	10.0
320-340	2.5	2.9	3.8	.5	.1							9.8	8.5	9.0
VARIABLE														
CALM	////////////////////////////////////										30.4	////////////////////////////////		
TOTALS	21.5	24.8	17.3	4.1	1.5	.3						100.0	5.4	7.0

TOTAL NUMBER OF OBSERVATIONS 1463



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.3	7.4	4.6	1.7	.3							18.3	8.3	8.0
020-040	1.5	3.0	1.5	.2	.1							6.2	7.5	7.0
050-070	1.9	1.8	.3	.3		.1						4.4	6.3	5.0
(E) 080-100	.7	1.2										1.9	5.0	5.0
110-130	.5	.2	.2									.9	5.5	4.0
140-160	1.2	.9	.3	.1								2.4	4.9	5.0
(S) 170-190	1.5	3.4	2.2	.5	.1	.1						7.8	8.6	8.0
200-220	2.5	3.4	1.8	.6								8.3	7.2	6.0
230-250	2.4	1.6	.3	.1								4.2	4.7	4.0
(W) 260-280	1.3	1.6	2.3	.9	.4							6.6	10.0	10.0
290-310	1.3	3.5	6.3	2.4	1.5	.3						15.3	11.9	12.0
320-340	2.0	4.4	5.2	1.2	.3							13.1	9.2	10.0
VARIABLE														
CALM	////////////////////////////////////											10.5	////////	
TOTALS	21.1	32.4	25.0	8.0	2.7	.5						100.0	7.7	8.0

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	6.6	4.1	1.6	.2							15.2	8.7	8.0
020-040	1.8	1.9	1.6	.4	.1	.1						5.8	8.0	7.0
050-070	1.1	2.2	.9	.1								4.2	6.5	6.0
(E) 080-100	1.1	1.3	.2									2.7	5.4	5.0
110-130	.5	.8	.2									1.5	5.6	5.0
140-160	.9	1.2	.5	.1	.1							2.7	7.0	6.0
(S) 170-190	1.7	2.9	3.6	1.2	.1	.1						9.5	9.6	10.0
200-220	2.5	3.2	2.8	.6	.1							9.3	8.0	7.0
230-250	1.9	1.9	.9	.3								5.0	6.8	6.0
(W) 260-280	1.7	2.2	3.5	.8	.3	.1						8.5	9.7	10.0
290-310	1.3	2.4	6.9	5.4	1.7	.3	.1					18.2	13.2	13.5
320-340	2.5	3.4	4.5	2.0	.2							12.7	9.6	10.0
VARIABLE														
CALM	////////////////////////////////////											4.7	////////////////////////////////	
TOTALS	19.6	30.0	29.7	12.5	2.8	.6	.1					100.0	8.9	9.0

TOTAL NUMBER OF OBSERVATIONS 1859

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND		
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65	
(N) 350-010	2.4	5.9	3.8	1.5								13.6	8.6	8.0	
020-040	1.5	2.2	1.2	.2	.1							5.1	7.2	7.0	
050-070	1.3	2.0	.7									4.0	6.1	6.0	
(E) 080-100	1.2	1.0	.2									2.3	4.9	4.0	
110-130	.8	1.0	.1	.1								1.9	5.8	5.0	
140-160	.9	1.2	.7	.2	.1							3.1	7.7	6.0	
(S) 170-190	1.7	4.0	4.1	1.7	.3							11.8	9.7	10.0	
200-220	1.7	2.0	2.0	.6	.1							6.5	8.1	7.0	
230-250	1.0	1.8	.9	.2								3.9	7.2	6.5	
(W) 260-280	.9	2.6	3.1	1.2	.2							8.0	10.5	10.0	
290-310	.9	4.3	8.7	4.4	1.5	.3						20.0	12.5	12.0	
320-340	1.8	4.1	4.9	1.9	.5	.2						13.4	10.1	10.0	
VARIABLE															
CALM	////////////////////////////////////												6.4	////////////////////////////////	
TOTALS	16.1	32.1	30.4	12.0	2.8	.5						100.0	8.9	9.0	

TOTAL NUMBER OF OBSERVATIONS 1857

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	4.9	2.6	1.0	.2							11.8	7.8	7.0
020-040	1.8	2.0	1.6									5.5	6.8	7.0
050-070	2.4	1.1	.3	.1	.1							3.9	5.3	4.0
(E) 080-100	1.1	1.1	.3	.1								2.6	5.8	5.0
110-130	.5	.8	.2	.1								1.5	5.9	5.0
140-160	2.2	1.2	.4	.1								3.8	5.1	4.0
(S) 170-190	2.7	5.2	4.2	.5	.1							12.7	8.2	8.0
200-220	1.5	1.6	.9	.2	.1							4.2	6.8	6.0
230-250	.6	1.1	.2									1.9	5.6	5.0
(W) 260-280	1.5	2.4	.9	.6	.1							5.6	8.0	7.0
290-310	2.9	7.0	7.2	3.1	1.1	.1						21.3	10.2	10.0
320-340	3.3	3.4	2.5	.7	.1							10.1	7.6	7.0
VARIABLE														
CALM	////////////////////////////////////											15.1	////////////////////////////////	
TOTALS	23.7	31.8	21.3	6.5	1.8	.1						100.0	6.7	7.0
TOTAL NUMBER OF OBSERVATIONS 1857														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	4.0	5.1	2.9	.4	.4							12.7	7.4	6.0
020-040	2.3	2.4	1.5	.2								6.3	6.7	6.0
050-070	1.1	1.4	.3	.1	.1	.1						3.0	6.6	6.0
(E) 080-100	1.0	.6	.2	.1								1.8	5.4	4.0
110-130	.6	.2		.1	.1							.9	6.4	4.0
140-160	2.6	1.3	.2		.1							4.2	4.7	4.0
(S) 170-190	3.1	7.1	2.1	.2								12.5	6.9	7.0
200-220	1.5	1.3	.2	.1								3.2	5.5	5.0
230-250	.4	.9	.1	.1								1.5	6.1	6.0
(W) 260-280	1.3	1.8	1.3	.6	.2							5.3	8.8	8.0
290-310	2.1	6.1	5.0	1.7	.4	.1						15.3	9.3	9.0
320-340	2.3	4.1	1.8	1.0	.2							9.4	8.0	7.0
VARIABLE														
CALM	////////////////////////////////////											23.8	////////////////////////////////	
TOTALS	22.3	32.3	15.6	4.6	1.5	.2						100.0	5.7	7.0

TOTAL NUMBER OF OBSERVATIONS 1632

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.6	5.9	3.5	1.2	.2							14.4	8.0	7.0
020-040	1.9	2.4	1.5	.2	.0	.0						6.1	7.2	7.0
050-070	1.7	1.5	.4	.1	.0	.0						3.8	5.9	5.0
(E) 080-100	1.0	1.0	.1	.0								2.2	5.2	5.0
110-130	.6	.5	.1	.0	.0							1.2	5.4	5.0
140-160	1.4	1.0	.4	.1	.0							2.8	5.6	4.5
(S) 170-190	2.1	4.0	2.8	.7	.1	.0						9.8	8.2	8.0
200-220	1.9	2.2	1.4	.3	.0							5.8	7.2	6.0
230-250	1.2	1.3	.5	.1								3.1	6.2	5.0
(W) 260-280	1.2	2.0	2.1	.7	.2	.0						6.3	9.5	9.0
290-310	1.8	4.5	6.4	2.9	1.1	.2	.0					16.9	11.2	11.0
320-340	2.4	3.8	3.8	1.2	.2	.0						11.4	8.9	8.0
VARIABLE														
CALM	////////////////////////////////////											16.3	////////////////////////////////	
TOTALS	20.8	30.1	23.0	7.5	1.8	.2						100.0	7.1	8.0
TOTAL NUMBER OF OBSERVATIONS 11832														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.9	9.0	3.2	.7	.4							20.2	6.7	6.0
020-040	4.3	6.0	3.3	.1	.1							13.9	6.9	6.0
050-070	4.3	4.7	.8	.3	.3	.1						10.5	6.5	5.0
(E) 080-100	1.6	2.0	.2	.1								3.8	5.4	5.0
110-130	1.0	.7	.2	.1								2.0	5.3	4.0
140-160	1.7	1.6	.7	.1								4.1	6.1	5.0
(S) 170-190	2.9	4.8	4.5	.7	.1							12.8	8.2	8.0
200-220	1.8	2.3	.8	.3	.1							5.2	7.0	6.0
230-250	1.1	.3	.1									1.5	5.6	3.0
(W) 260-280	.6			.1	.3	.1						1.0	10.5	4.0
290-310	1.0	.7	.3	.4	.2							2.6	8.5	6.0
320-340	2.6	1.0	.9									5.2	5.5	4.0
VARIABLE														
CALM	////////////////////											17.3	////////	
TOTALS	29.8	33.9	15.0	2.9	1.5	.2						100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 1528

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: APR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	4.7	4.4	1.9	.6								11.7	6.7	5.5
020-040	2.4	2.7	.6	.3	.2							6.2	6.5	6.0
050-070	2.2	1.3	.3									3.8	4.3	4.0
(E) 080-100	1.3	.2										1.4	2.7	2.0
110-130	1.1											1.1	2.4	2.0
140-160	1.9	.5	.2									2.5	4.0	2.5
(S) 170-190	5.5	2.8										8.4	4.1	4.0
200-220	3.0	2.1	.2									5.2	4.5	4.0
230-250	1.3	.5	.3		.2							2.2	6.1	4.0
(W) 260-280	1.6	1.9	.3									3.8	5.5	5.0
290-310	2.1	4.4	2.8	.9	.2							10.4	8.4	8.0
320-340	2.8	3.2	2.2									8.2	6.5	6.0
VARIABLE														
CALM	////////////////////////////////////											35.1	////////////////////////////////	
TOTALS	29.9	24.0	8.8	1.8	.6							100.0	3.8	5.0
TOTAL NUMBER OF OBSERVATIONS 633														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	3.8	4.8	2.2	.8	.2							11.7	7.3	6.0
020-040	2.1	1.7	1.7		.2							5.7	7.4	7.5
050-070	1.3	1.1	.6									3.0	5.5	6.0
(E) 080-100	.8	.6										1.4	4.2	4.0
110-130	.3	.3										.6	4.3	3.5
140-160	1.3											1.3	2.3	2.0
(S) 170-190	3.8	2.1	.3									6.2	4.3	3.0
200-220	2.1	3.3										5.4	5.1	5.0
230-250	1.1	1.3	.2									2.5	4.4	5.0
(W) 260-280	1.6	2.1	.5	.3		.2						4.6	6.9	5.0
290-310	1.6	3.6	1.7	.6	.2							7.8	8.5	8.0
320-340	2.1	3.5	2.7	.2	.2							8.6	7.5	7.0
VARIABLE														
CALM	////////////////////////////////////											41.2	////////	
TOTALS	21.9	24.4	9.9	1.9	.8	.2						100.0	3.8	6.0
TOTAL NUMBER OF OBSERVATIONS 631														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.3	4.4	3.0	.9	.3							13.9	7.4	6.0
020-040	2.9	2.8	1.2	.4								7.3	6.3	5.5
050-070	2.1	2.1	.5									4.7	5.6	5.0
(E) 080-100	1.8	.8	.1									2.7	4.3	4.0
110-130	.8	.3										1.1	3.8	3.0
140-160	2.0	.5										2.5	3.6	3.0
(S) 170-190	2.9	3.0	1.3	.2								7.4	6.2	5.0
200-220	2.8	3.4	.8	.1								7.1	5.8	5.0
230-250	1.5	1.3	.3									3.1	5.4	5.0
(W) 260-280	1.3	2.1	1.1	.1	.1							4.7	7.3	7.0
290-310	1.5	4.2	3.1	.9	.1	.1						9.9	9.2	8.0
320-340	1.7	4.2	2.8	.5	.3							9.6	8.4	8.0
VARIABLE														
CALM	////////////////////////////////////											26.0	////////////////////////////////	
TOTALS	26.6	29.1	14.2	3.1	.8	.1						100.0	5.1	6.0

TOTAL NUMBER OF OBSERVATIONS 1511

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	5.2	4.8	1.0	.3							14.1	8.6	8.0
020-040	3.1	4.2	1.8	.6	.1							9.7	7.0	6.0
050-070	1.1	2.6	1.3	.2								5.1	7.3	7.0
(E) 080-100	1.4	1.1	.3									2.8	5.1	4.5
110-130	1.1	1.1	.2	.1								2.5	5.2	5.0
140-160	1.4	1.3	.5									3.2	5.4	5.0
(S) 170-190	2.1	3.1	2.4	.3	.1							7.9	7.8	8.0
200-220	3.0	3.8	2.2	.1	.1							9.1	6.6	6.0
230-250	2.8	2.3	.7	.3								6.2	5.9	5.0
(W) 260-280	1.5	1.9	2.3	.9	.2							6.8	9.1	9.5
290-310	1.6	3.2	6.1	1.8	.8	.1	.1					13.6	11.0	11.0
320-340	1.8	3.9	4.9	1.2	.1							12.0	9.5	10.0
VARIABLE														
CALM	////////////////////////////////////											6.9	////////	
TOTALS	23.7	33.7	27.5	6.5	1.7	.1	.1					100.0	7.6	8.0
TOTAL NUMBER OF OBSERVATIONS 1800														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	4.1	5.6	1.3	.2							13.3	9.3	10.0
020-040	.9	2.6	1.7	.4								5.6	8.0	8.0
050-070	1.4	2.8	1.4									5.7	7.2	7.0
(E) 080-100	1.3	1.6	.2									3.1	5.3	5.0
110-130	.6	.8	.2									1.7	5.9	5.5
140-160	.8	1.3	.6	.1								2.7	7.1	7.0
(S) 170-190	1.7	3.5	4.0	.9								10.2	9.1	9.0
200-220	1.7	4.2	2.6	.5	.2							9.1	8.2	8.0
230-250	1.9	2.2	1.1	.2	.1							5.4	6.8	6.0
(W) 260-280	1.6	2.2	3.1	1.3								8.2	9.6	10.0
290-310	1.8	3.9	6.8	3.6	1.2	.1	.1					17.4	11.6	12.0
320-340	1.8	3.2	5.8	1.9	.1	.1						12.8	10.1	10.0
VARIABLE														
CALM	////////////////////////////////////											4.7	////////////////////////////////	
TOTALS	17.7	32.4	33.1	10.2	1.8	.2	.1					100.0	8.7	9.0

TOTAL NUMBER OF OBSERVATIONS 1800

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	3.3	4.8	1.2	.2							11.8	9.2	10.0
020-040	1.9	2.9	1.7	.2								6.6	7.3	7.0
050-070	1.2	3.0	.6									4.8	6.2	6.0
(E) 080-100	1.5	1.4	.3									3.2	5.3	5.0
110-130	.8	.8	.4	.1								2.1	6.4	6.0
140-160	1.3	1.4	.4	.2								3.3	6.2	5.0
(S) 170-190	1.3	3.4	4.4	1.7	.1	.1						11.0	9.9	10.0
200-220	1.9	3.6	3.0	.9	.2							9.6	8.7	8.0
230-250	.9	2.1	.9	.2								4.1	7.4	7.0
(W) 260-280	1.0	2.8	2.2	.8	.2							7.0	9.4	9.0
290-310	1.4	4.3	6.9	3.9	1.4	.1						18.1	11.8	12.0
320-340	2.0	3.1	5.9	1.8	.3							13.2	10.0	10.0
VARIABLE														
CALM	////////////////////											5.4	////////	
TOTALS	17.5	32.1	31.5	11.0	2.4	.2						100.0	8.7	9.0
TOTAL NUMBER OF OBSERVATIONS 1800														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: APR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	3.4	4.6	3.4	.4	.1							11.8	7.4	7.0
020-040	1.7	2.3	1.1	.1	.1							5.2	6.7	6.5
050-070	1.9	1.8	.2	.1								4.1	5.0	5.0
(E) 080-100	1.6	1.4	.4	.1								3.4	5.5	5.0
110-130	1.7	1.4	.2									3.3	4.8	4.0
140-160	1.4	1.9	.7									4.1	6.2	6.0
(S) 170-190	2.3	5.7	4.6	.4								13.1	8.1	8.0
200-220	1.7	3.2	2.2	.4	.1							7.6	7.9	8.0
230-250	.7	1.2	.2	.1	.1							2.3	7.4	6.0
(W) 260-280	1.5	2.7	1.1	.2								5.4	7.1	7.0
290-310	1.6	6.1	6.0	2.0	.2							15.8	9.7	10.0
320-340	3.2	4.5	2.9	.4								11.1	7.3	7.0
VARIABLE														
CALM	////////////////////////////////////										12.8	////////		
TOTALS	22.7	36.8	23.0	4.2	.6							100.0	6.6	7.0

TOTAL NUMBER OF OBSERVATIONS 1800

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	5.0	1.4	.5								9.8	6.8	6.0
020-040	2.7	2.4	.5	.1								5.7	5.6	5.0
050-070	2.5	1.3	.1	.1								4.1	4.4	3.0
(E) 080-100	1.1	1.1	.1									2.3	4.1	4.5
110-130	2.0	.4	.1									2.5	3.7	3.0
140-160	4.0	2.2	.2									6.4	4.4	4.0
(S) 170-190	4.2	7.8	1.8	.2								14.0	6.3	6.0
200-220	1.7	1.7	1.1	.2								4.8	7.0	6.0
230-250	.7	.7		.1								1.5	5.3	4.5
(W) 260-280	1.3	2.9	.8	.2	.1							5.4	7.4	6.5
290-310	2.4	5.0	3.2	.8								11.5	8.1	8.0
320-340	3.2	3.8	2.3	.5								9.8	7.0	6.0
VARIABLE														
CALM	////////////////////////////////////											22.4	////////////////////////////////	
TOTALS	28.6	34.3	11.6	2.7	.1							100.0	4.9	6.0
TOTAL NUMBER OF OBSERVATIONS 1492														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: APR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	4.4	3.7	.9	.2							12.4	8.1	8.0
020-040	2.2	2.8	1.3	.3	.0							6.6	6.9	6.0
050-070	1.7	2.2	.7	.0								4.6	6.0	6.0
(E) 080-100	1.4	1.2	.2	.0								2.8	4.9	4.0
110-130	1.1	.8	.2	.0								2.1	4.9	4.0
140-160	1.7	1.3	.4	.0								3.5	5.3	4.0
(S) 170-190	2.6	4.1	2.9	.6	.0	.0						10.2	7.7	7.0
200-220	2.2	3.3	1.8	.3	.1							7.7	7.3	7.0
230-250	1.4	1.6	.5	.1	.0							3.7	6.4	6.0
(W) 260-280	1.4	2.4	1.6	.6	.1	.0						6.1	8.4	8.0
290-310	1.7	4.4	5.1	2.1	.6	.1	.0					14.0	10.4	10.0
320-340	2.3	3.7	4.0	1.0	.1	.0						11.2	8.7	9.0
VARIABLE														
CALM	////////////////////////////////////											15.2	////////////////////////////////	
TOTALS	22.9	32.2	22.4	5.9	1.1	.1						100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 11467



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS												
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	6.2	6.5	2.5	.3	.4							16.0	6.8	6.0
020-040	3.7	7.8	4.0	.3	.2							16.1	7.4	7.0
050-070	3.8	6.1	1.9	.2								11.9	6.4	6.0
(E) 080-100	2.7	1.3	.3									4.3	4.5	4.0
110-130	1.3	.9	.2	.1								2.4	5.2	4.0
140-160	2.5	3.4	.8									6.7	5.8	6.0
(S) 170-190	3.1	5.1	3.0	.7								11.8	7.5	7.0
200-220	2.4	2.8	1.3	.1	.1							6.6	6.4	6.0
230-250	.8	.1	.2									1.1	5.0	4.0
(W) 260-280	.3	.1	.2									.6	5.1	3.0
290-310	.8	.4	.3									1.4	6.1	4.0
320-340	3.2	1.9	.1									5.1	4.2	4.0
VARIABLE														
CALM	////////////////////////////////////											15.9	////////	
TOTALS	30.8	36.4	14.8	1.7	.7							100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 1186

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	1.8	.9									6.3	5.2	4.0
020-040	3.4	2.1	.8									6.3	4.8	4.0
050-070	2.6	1.8	.2									4.6	4.1	4.0
(E) 080-100	1.7	.9	.2									2.8	4.2	3.5
110-130	1.4	.5										1.8	3.5	3.0
140-160	4.3	.8										5.1	3.1	3.0
(S) 170-190	9.3	4.9	1.1									15.3	4.6	4.0
200-220	3.2	2.3										5.5	4.8	4.0
230-250	.3	1.4										1.7	5.9	6.0
(W) 260-280	.9	1.2	.2									2.3	5.5	6.0
290-310	.9	1.8	.5									3.2	6.1	6.0
320-340	1.5	2.9	.3									4.7	5.9	6.0
VARIABLE														
CALM	////////////////////////////////////											40.4	////////////////////////////////	
TOTALS	33.0	22.4	4.2									100.0	2.8	4.0

TOTAL NUMBER OF OBSERVATIONS 653

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.4	3.2	.6									7.2	5.0	5.0
020-040	4.4	2.6	.9									7.9	5.0	4.0
050-070	2.3	1.2	.2									3.7	4.0	3.5
(E) 080-100	1.2	.8										2.0	4.2	3.0
110-130	1.8	.3										2.1	3.4	3.5
140-160	2.0	.8	.2									2.9	3.6	3.0
(S) 170-190	4.4	3.7	.6									8.7	4.9	4.0
200-220	3.1	2.6	.6									6.3	5.4	5.0
230-250	1.2	1.2										2.4	4.6	4.5
(W) 260-280	1.7	1.1										2.7	4.1	4.0
290-310	1.1	1.8	.8									3.7	6.5	6.0
320-340	1.8	1.4	.2									3.4	4.6	4.0
VARIABLE														
CALM	////////////////////////////////////											47.0	//////////	
TOTALS	28.4	20.7	4.1									100.0	2.5	4.0

TOTAL NUMBER OF OBSERVATIONS 655

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	5.2	3.9	1.9	.2								11.3	5.9	5.0
020-040	2.6	3.1	.7	.1								6.5	5.8	5.0
050-070	2.9	1.5	.4									4.7	4.5	4.0
(E) 080-100	1.8	.6	.4									2.8	4.9	3.5
110-130	1.1	.2	.1									1.3	3.4	3.0
140-160	2.5	1.2	.2									3.8	3.9	3.0
(S) 170-190	4.8	5.7	1.4	.1								12.0	5.9	5.0
200-220	4.7	3.2	1.1	.1								9.2	5.2	4.0
230-250	1.5	1.2	.2									2.9	4.8	4.0
(W) 260-280	1.3	1.7	.4	.1								3.5	6.1	5.0
290-310	1.1	1.8	1.0	.3		.1						4.3	7.6	7.0
320-340	2.5	1.6	1.1	.4								5.7	6.6	5.0
VARIABLE														
CALM	////////////////////////////////////											32.0	////////	
TOTALS	32.0	25.7	8.9	1.3		.1						100.0	3.8	5.0

TOTAL NUMBER OF OBSERVATIONS 1857

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	3.2	4.4	3.3	.3								11.2	7.4	7.0
020-040	3.2	4.5	1.1	.2								8.9	6.0	6.0
050-070	1.8	2.5	1.0									5.3	6.0	6.0
(E) 080-100	2.0	.6	.2	.1								2.9	4.6	4.0
110-130	1.0	.4	.1	.1								1.6	4.4	3.0
140-160	1.4	1.8	.6									3.8	5.9	6.0
(S) 170-190	3.6	6.0	4.0	.6								14.1	7.5	7.0
200-220	3.9	5.7	3.1	.2								12.8	6.9	7.0
230-250	3.0	3.0	.8									6.8	5.5	5.0
(W) 260-280	3.1	1.8	1.4	.2								6.6	6.0	5.0
290-310	2.4	2.7	2.5	.6	.1							8.3	8.0	8.0
320-340	2.7	3.7	2.6	.5								9.6	7.5	7.0
VARIABLE														
CALM	////////////////////////////////////										8.2	////////////////////////////////		
TOTALS	31.3	37.1	20.7	2.8	.1							100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	4.0	3.5	.7	.1							11.2	8.0	8.0
020-040	1.6	2.5	1.0	.2								5.3	7.0	6.0
050-070	2.3	3.1	.9									6.2	5.8	5.0
(E) 080-100	1.5	1.2	.1	.1								2.8	5.2	4.0
110-130	1.7	.7	.2		.1							2.6	4.7	4.0
140-160	1.5	2.3	1.1	.1								4.8	6.8	6.0
(S) 170-190	2.2	4.6	6.0	1.6	.1							14.5	9.4	10.0
200-220	2.6	7.2	4.7	.9	.1							15.4	8.3	8.0
230-250	2.0	2.7	.9	.5								6.2	6.9	6.0
(W) 260-280	2.2	2.3	2.5	.4	.1							7.5	7.8	8.0
290-310	1.6	3.5	4.0	1.3	.3							10.8	9.7	10.0
320-340	1.8	3.3	3.1	.5	.1							8.8	8.4	8.0
VARIABLE														
CALM	////////////////////											3.9	////////	
TOTALS	23.9	37.4	28.0	6.3	.9							100.0	7.7	8.0

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TC UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	3.3	3.4	.6	.2							10.3	8.1	8.0
020-040	2.3	2.2	.9	.1								5.4	6.0	6.0
050-070	2.4	3.1	.6									6.2	5.7	6.0
(E) 080-100	1.8	1.1	.2	.1								3.2	4.6	4.0
110-130	1.3	1.1	.1	.2								2.6	5.0	4.5
140-160	1.7	2.0	.2	.2								4.8	6.9	6.0
(S) 170-190	1.6	6.2	7.6	1.9	.3							17.6	9.9	10.0
200-220	2.0	5.2	4.9	.6	.2							13.0	8.8	9.0
230-250	1.2	2.9	1.0	.3								5.4	7.3	7.0
(W) 260-280	1.3	2.4	2.4	.3	.1							6.6	8.3	8.0
290-310	1.3	4.2	4.9	1.3	.4		.1					12.3	10.0	10.0
320-340	1.5	3.2	2.5	.5	.1							7.8	8.3	8.0
VARIABLE														
CALM	////////////////////////////////////											4.9	////////	
TOTALS	21.1	36.9	29.4	6.1	1.3		.1					100.0	7.8	8.0
TOTAL NUMBER OF OBSERVATIONS 1860														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	3.7	1.7	.2								9.2	6.3	6.0
020-040	2.4	2.3	.2									4.8	4.7	5.0
050-070	2.2	2.0	.3		.1							4.5	5.2	5.0
(E) 080-100	1.5	1.1	.1	.1								2.6	4.5	4.0
110-130	1.6	.6										2.2	3.7	3.0
140-160	3.1	2.3	1.1	.1								6.7	5.8	5.0
(S) 170-190	3.3	10.2	7.5	.6	.1	.1						21.8	8.2	8.0
200-220	2.3	5.6	3.1	.4	.1							11.5	7.6	7.0
230-250	.9	1.2	.3									2.3	5.5	5.0
(W) 260-280	1.1	2.1	1.0									4.2	6.7	6.0
290-310	1.8	5.2	2.4	.3	.1							9.7	7.5	7.0
320-340	2.4	2.4	1.3	.4	.1							6.6	7.1	7.0
VARIABLE														
CALM	////////////////////////////////////											13.8	////////////////////////////////	
TOTALS	26.3	38.7	19.0	2.1	.5	.1						100.0	5.9	6.0
TOTAL NUMBER OF OBSERVATIONS 1860														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	3.0	.8	.1								6.7	5.7	6.0
020-040	2.8	1.7	.3									4.8	4.8	4.0
050-070	2.6	1.2	.2									4.0	4.6	4.0
(E) 080-100	1.0	.9	.2									2.1	4.8	4.5
110-130	1.8	.3										2.1	3.7	4.0
140-160	5.8	2.5	.4									8.7	4.4	4.0
(S) 170-190	7.9	12.0	2.6	.2								22.7	6.0	6.0
200-220	2.9	4.0	.6									7.5	5.6	6.0
230-250	.8	.6	.1									1.4	4.6	4.0
(W) 260-280	1.0	1.0	.2									2.2	5.4	5.0
290-310	2.0	2.8	.7	.2								5.7	6.1	6.0
320-340	2.5	1.5	.5									4.5	5.0	4.0
VARIABLE														
CALM	////////////////////////////////////											27.6	////////////////////////////////	
TOTALS	34.0	31.5	6.0	.5								100.0	3.9	5.0

TOTAL NUMBER OF OBSERVATIONS 1245

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	3.6	2.3	.3	.1							9.8	6.9	6.0
020-040	2.6	2.7	.7	.1								6.1	5.7	5.0
050-070	2.4	2.2	.5		.0							5.1	5.3	5.0
(E) 080-100	1.6	.9	.2	.0								2.7	4.7	4.0
110-130	1.4	.5	.1	.0	.0							2.1	4.2	4.0
140-160	2.5	1.8	.7	.1								5.1	5.4	5.0
(S) 170-190	4.0	6.9	4.5	.8	.1	.0						16.3	7.7	7.0
200-220	3.1	4.9	2.8	.3	.0							11.1	7.2	7.0
230-250	1.5	1.9	.5	.1								4.1	6.1	6.0
(W) 260-280	1.7	1.9	1.2	.2	.0							5.0	6.9	6.0
290-310	1.6	3.2	2.5	.6	.1	.0	.0					8.1	8.5	8.0
320-340	2.2	2.6	1.8	.4	.0							7.0	7.3	7.0
VARIABLE														
CALM	////////////////////											17.6	////////	
TOTALS	28.1	33.1	17.8	2.9	.3							100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 11850

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		5.6	4.7	1.9	.1								12.3	5.5	5.0
020-040		5.4	5.2	.7									11.2	5.1	5.0
050-070		5.6	5.4	1.3									12.4	5.3	5.0
(E) 080-100		2.3	.5	.4									3.1	4.3	3.0
110-130		1.7	.6	.1									2.3	4.0	3.0
140-160		2.9	3.3	.8	.1								7.0	5.8	6.0
(S) 170-190		4.7	9.2	3.2	.1		.1						17.3	6.7	6.0
200-220		3.6	5.5	.8	.1								10.0	5.7	6.0
230-250		1.0	.9	.1									1.9	4.6	4.0
(W) 260-280		.6	.3	.1									1.0	4.1	3.0
290-310		.7	.3	.1									1.1	4.8	4.0
320-340		1.9	1.5	.3									3.6	4.9	4.0
VARIABLE															
CALM		////////////////////////////////////										16.9	////////////////////////////////		
TOTALS		36.0	37.4	9.8	.4		.1						100.0	4.6	5.0

TOTAL NUMBER OF OBSERVATIONS 1507

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.6	1.6	.2									5.4	4.1	3.5
020-040	2.1	.8	.5									3.3	4.6	4.0
050-070	2.2	.6	.3									3.2	4.2	3.5
(E) 080-100	1.4	1.0										2.4	3.9	4.0
110-130	1.4	.8	.2									2.4	4.2	4.0
140-160	4.4	.6										5.1	2.9	2.0
(S) 170-190	11.6	7.3	1.0									19.8	4.3	4.0
200-220	5.4	2.1	.2									7.6	4.0	4.0
230-250	.6	.2										.8	3.6	3.0
(W) 260-280	1.0	.5										1.4	4.7	4.0
290-310	1.3	1.6										2.9	5.3	6.0
320-340	1.4	.5	.2									2.1	3.9	3.0
VARIABLE														
CALM	////////////////////											43.7	////////	
TOTALS	36.4	17.6	2.6									100.0	2.3	4.0

TOTAL NUMBER OF OBSERVATIONS 631

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.8	2.7	.2									6.7	4.4	4.0
020-040	3.0	1.4										4.4	3.8	4.0
050-070	2.2	1.3										3.5	3.7	3.0
(E) 080-100	1.4	.3	.3									2.1	4.5	3.0
110-130	2.7	.6	.2									3.5	3.5	3.0
140-160	2.9	1.1	.3									4.3	3.9	2.0
(S) 170-190	7.9	5.9	.5									14.3	4.4	4.0
200-220	4.4	2.2	1.0									7.6	4.6	4.0
230-250	1.4	.5										1.9	3.9	3.0
(W) 260-280	1.0	.3										1.3	4.0	3.5
290-310	.2	1.4	.3									1.9	6.8	6.5
320-340	1.0	.6	.5									2.1	6.3	6.0
VARIABLE														
CALM	////////////////////////////////////											46.6	////////////////////////////////	////////////////////////////////
TOTALS	31.9	18.3	3.3									100.0	2.3	4.0
TOTAL NUMBER OF OBSERVATIONS 631														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	4.8	3.4	2.4	.4								11.1	6.1
020-040	2.0	1.7	.4									4.1	4.9
050-070	1.4	.4	.1									2.0	3.9
(E) 080-100	1.6	.4	.1									2.1	3.9
110-130	1.4	.2										1.7	3.4
140-160	3.3	1.7	.2									5.2	3.9
(S) 170-190	7.2	6.2	1.1	.1								14.6	5.1
200-220	4.6	4.3	1.2									10.1	5.5
230-250	2.2	1.1	.2									3.5	4.4
(W) 260-280	.7	1.1	.1	.2								2.5	7.3
290-310	.9	2.3	1.7	.1								5.0	7.6
320-340	1.9	1.9	.7									4.4	5.8
VARIABLE													
CALM	////////////////////////////////////										33.7	////////////////////////////////	
TOTALS	32.0	24.7	8.7	.8								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 1799

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	3.6	4.8	1.9	.9								11.2	7.0	6.0
020-040	2.2	2.4	1.2	.1								5.9	6.6	6.0
050-070	2.3	1.0	.4									3.7	4.5	4.0
(E) 080-100	1.2	.6	.1									1.9	3.9	4.0
110-130	1.8	.3	.1									2.2	3.2	3.0
140-160	2.3	1.7	.4	.1								4.5	5.2	4.0
(S) 170-190	4.7	6.8	2.3	.2								14.0	6.3	6.0
200-220	5.1	6.4	3.6	.1								15.1	6.5	6.0
230-250	3.6	3.4	.8	.2								8.0	5.6	6.0
(W) 260-280	2.2	2.4	2.3	.4								7.3	7.6	7.0
290-310	1.9	2.4	3.5	.1								8.0	7.9	7.0
320-340	3.1	2.3	2.4	.1	.1							7.9	6.6	6.0
VARIABLE														
CALM	////////////////////////////////////											10.3	////////////////////////////////	
TOTALS	34.0	34.5	19.0	2.2	.1							100.0	5.7	6.0
TOTAL NUMBER OF OBSERVATIONS 1800														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	4.2	2.8	.5	.1							10.2	7.8	7.0
020-040	2.2	1.3	.6	.3								4.3	6.3	4.5
050-070	1.0	1.8	.6									3.3	6.0	5.0
(E) 080-100	1.5	1.4	.1									2.8	4.7	5.0
110-130	1.3	1.1	.1									2.4	4.2	4.0
140-160	1.4	2.4	.4									4.2	5.9	5.5
(S) 170-190	3.6	6.4	4.5	.5	.1							15.1	7.6	7.0
200-220	3.3	7.6	5.6	.6								17.1	7.9	8.0
230-250	2.7	3.4	2.8	.2								9.2	7.3	7.0
(W) 260-280	1.4	3.5	3.2	.6								8.7	8.4	8.0
290-310	1.4	3.7	4.0	.7								9.8	8.8	9.0
320-340	1.9	3.3	3.4	.2								8.8	8.1	8.0
VARIABLE														
CALM	////////////////////											3.9	////////////////	
TOTALS	24.2	40.1	28.1	3.6	.2							100.0	7.2	7.0
TOTAL NUMBER OF OBSERVATIONS 1800														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	2.4	3.3	1.9	.3								8.0	7.2	7.0
020-040	1.7	2.1	.7									4.4	6.1	6.0
050-070	1.3	1.2	.2	.1								2.7	5.3	5.0
(E) 080-100	1.4	1.3	.3									3.1	5.2	5.0
110-130	1.8	.9	.1									2.7	4.1	4.0
140-160	1.7	2.1	.8									4.6	6.0	6.0
(S) 170-190	2.3	7.1	6.7	.5								16.6	8.5	9.0
200-220	1.4	6.4	6.4	.7	.1							15.1	9.0	9.0
230-250	1.1	3.7	2.6	.2								7.6	8.2	8.0
(W) 260-280	1.1	4.1	3.1	.0								8.7	8.5	8.0
290-310	.9	4.7	4.8	.9	.1							11.6	9.5	10.0
320-340	1.8	4.5	2.8	.2								9.3	7.6	8.0
VARIABLE														
CALM	////////////////////////////////////											5.7	////////////////////////////////	
TOTALS	18.9	41.4	30.4	3.5	.2							100.0	7.5	8.0
TOTAL NUMBER OF OBSERVATIONS 1800														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	2.5	1.4	.1								6.9	6.0	6.0
020-040	2.4	1.4	.3	.1								4.1	4.5	4.0
050-070	1.9	.6	.1									2.6	3.3	3.0
(E) 080-100	1.4	.9										2.3	4.2	4.0
110-130	1.6	.9	.2									2.7	4.5	4.0
140-160	2.0	2.2	.7									4.9	5.7	5.5
(S) 170-190	4.8	11.7	4.7	.2								21.4	7.1	7.0
200-220	2.2	7.6	3.1	.1								12.9	7.4	7.0
230-250	1.1	2.1	.6									3.8	6.4	6.0
(W) 260-280	2.1	2.9	1.2	.2	.1							6.4	6.9	6.0
290-310	2.8	4.1	2.5	.3	.1							9.8	7.1	7.0
320-340	2.7	3.1	1.3	.1								7.2	6.2	6.0
VARIABLE														
CALM	////////////////////											15.0	////////	
TOTALS	27.9	40.0	16.1	1.1	.2							100.0	5.5	6.0
TOTAL NUMBER OF OBSERVATIONS 1800														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	1.6	.8	.2								6.5	4.9	4.0
020-040	2.2	1.0	.2									3.4	4.2	3.0
050-070	2.9	.7	.1									3.6	3.2	2.5
(E) 080-100	1.2	.6	.3									2.1	4.8	4.0
110-130	2.2	.2										2.4	3.1	3.0
140-160	5.4	3.6	.1									9.1	4.2	4.0
(S) 170-190	8.5	13.2	1.4	.2								23.2	5.6	5.0
200-220	2.8	3.1	.5									6.4	5.3	5.0
230-250	.8	.3										1.2	3.3	2.5
(W) 260-280	1.1	1.7	.2									3.0	5.6	5.0
290-310	1.1	2.6	.7	.1	.1							4.5	7.2	6.0
320-340	2.4	1.7	.1	.1		.1						4.4	5.1	4.0
VARIABLE														
CALM	////////////////////////////////////											30.3	////////////////////////////////	
TOTALS	34.5	30.3	4.4	.6	.1	.1						100.0	3.5	5.0
TOTAL NUMBER OF OBSERVATIONS 1209														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	3.4	3.3	1.7	.4	.0							8.8	6.5	6.0
020-040	2.1	1.6	.5	.1								4.4	5.5	5.0
050-070	1.8	1.0	.2	.0								3.0	4.4	4.0
(E) 080-100	1.4	.9	.1									2.4	4.5	4.0
110-130	1.7	.6	.1									2.4	3.8	3.0
140-160	2.7	2.1	.4	.0								5.2	4.9	4.0
(S) 170-190	5.5	8.1	3.3	.2	.0							17.1	6.5	6.0
200-220	3.4	5.6	3.2	.2	.0							12.5	7.1	7.0
230-250	1.9	2.2	1.1	.1								5.3	6.5	6.0
(W) 260-280	1.4	2.4	1.7	.3	.0							5.7	7.7	7.0
290-310	1.5	3.1	2.7	.3	.0							7.7	8.2	8.0
320-340	2.2	2.6	1.7	.1	.0	.0						6.6	6.8	6.0
VARIABLE														
CALM	////////////////////////////////////										18.9	////////////////////////////////		
TOTALS	29.0	33.5	16.7	1.7								100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 11470

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.7	3.4	.4									9.6	4.5	4.0
020-040	4.6	2.2	.2									7.1	4.1	4.0
050-070	2.9	1.8	.4									5.1	4.4	4.0
(E) 080-100	2.7	1.0	.1									3.7	3.7	3.0
110-130	2.9	.8										3.7	3.5	3.0
140-160	4.3	3.1	.1									7.4	4.3	4.0
(S) 170-190	9.4	12.0	3.5	.2								25.2	5.9	6.0
200-220	5.6	4.6	1.4	.1								11.6	5.5	5.0
230-250	1.7	.2										1.9	3.4	3.0
(W) 260-280	.4	.1	.1									.5	4.6	3.5
290-310	.2											.2	2.3	2.0
320-340	.8	.3	.2			.1						1.4	6.2	4.0
VARIABLE														
CALM	////////////////////////////////////											22.6	////////////////////////////////	
TOTALS	41.2	29.5	6.4	.3		.1						100.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 1602

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	.9	.2									4.7	3.5	3.0
020-040	1.5	.2										1.7	3.2	3.0
050-070	2.0											2.0	2.1	2.0
(E) 080-100	.9											.9	2.0	2.0
110-130	.8											.8	2.4	2.0
140-160	4.0	.3										4.3	2.8	2.0
(S) 170-190	9.2	6.3	.8									16.2	4.5	4.0
200-220	4.9	4.4	.2									9.5	4.8	4.0
230-250	1.1	.3										1.4	4.2	4.0
(W) 260-280	.8	.3										1.1	3.6	2.0
290-310	.8		.5									1.2	6.0	4.0
320-340	1.7	.6										2.3	3.6	4.0
VARIABLE														
CALM	////////////////////////////////////											54.0	////////////////////////////////	
TOTALS	31.4	13.3	1.7									100.0	1.9	4.0
TOTAL NUMBER OF OBSERVATIONS 655														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	.8	.2									5.1	3.8	3.0
020-040	3.1	.3										3.4	2.9	2.5
050-070	1.5	.5										2.0	3.2	2.0
(E) 080-100	.5											.5	2.3	2.0
110-130	1.1											1.1	2.6	2.0
140-160	1.7	.5										2.2	3.3	2.0
(S) 170-190	6.6	4.6	.3									11.5	4.2	4.0
200-220	5.4	4.8	.9									11.1	5.3	5.0
230-250	1.5	.8	.2									2.5	4.7	4.0
(W) 260-280	.9	.2										1.1	3.3	3.0
290-310	.2	.2	.6									.9	9.3	10.5
320-340	1.2	1.2	.5									2.9	5.6	5.0
VARIABLE														
CALM	////////////////////////////////////											55.9	////////////////////////////////	
TOTALS	27.8	13.9	2.7									100.0	1.9	4.0
TOTAL NUMBER OF OBSERVATIONS 651														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	4.6	3.9	.6									9.0	4.9	4.0
020-040	3.4	1.7	.2									5.3	4.2	4.0
050-070	1.6	.3										1.9	2.9	2.5
(E) 080-100	.7	.4										1.1	3.9	4.0
110-130	1.3	.2										1.6	2.9	3.0
140-160	3.5	1.0	.1									4.6	3.6	3.0
(S) 170-190	7.4	6.5	.3	.1								14.3	4.6	4.0
200-220	5.3	3.8	.8	.1								10.0	5.0	4.0
230-250	2.2	1.5	.1									3.8	4.5	4.0
(W) 260-280	1.0	1.0	.3									2.3	5.4	5.0
290-310	1.7	1.1	.3									3.1	4.9	4.0
320-340	2.5	2.2	.5	.1								5.3	5.0	5.0
VARIABLE														
CALM	////////////////////////////////////										37.9	////////////////////////////////		
TOTALS	35.2	23.6	3.2	.3								100.0	2.8	4.0
TOTAL NUMBER OF OBSERVATIONS 1859														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.2	6.1	2.0	.1								12.5	6.3	6.0
020-040	3.5	2.2	.4	.1								6.2	4.7	4.0
050-070	1.7	.8										2.5	3.7	4.0
(E) 080-100	1.3	.5										1.8	3.5	3.0
110-130	.8	.3										1.1	3.5	3.0
140-160	2.3	2.4	.2									4.8	4.7	5.0
(S) 170-190	4.7	6.6	1.1	.1								12.5	5.8	6.0
200-220	4.7	8.5	2.4	.3								15.9	6.3	6.0
230-250	3.8	3.5	1.1									8.5	5.4	5.0
(W) 260-280	2.6	2.6	.7	.1								6.0	5.6	5.0
290-310	3.1	3.5	1.6	.1								8.3	6.3	6.0
320-340	3.5	4.9	1.5	.2								10.1	6.2	6.0
VARIABLE														
CALM	////////////////////////////////////											9.8	////////	
TOTALS	36.2	41.9	11.0	1.0								100.0	5.2	5.0

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	4.6	1.9	.1								9.7	6.6	6.0
020-040	2.8	2.5	.7									6.0	5.3	5.0
050-070	1.5	.5	.1									2.2	3.9	3.5
(E) 080-100	1.2	.4	.1									1.7	4.3	4.0
110-130	1.1	.6	.1									1.8	4.2	4.0
140-160	1.3	2.2	.5									4.0	6.3	6.0
(S) 170-190	3.1	6.3	3.7	.3								13.3	7.4	8.0
200-220	2.6	8.5	5.8	.3								17.2	7.9	8.0
230-250	1.8	5.2	1.9	.1	.1							9.0	7.1	7.0
(W) 260-280	1.3	4.1	2.0	.3								7.7	7.6	7.5
290-310	2.4	5.3	2.9	.4								11.0	7.7	8.0
320-340	3.5	5.8	2.6	.3								12.1	6.9	7.0
VARIABLE														
CALM	////////////////////////////////////											4.2	////////////////////////////////	
TOTALS	25.7	46.0	22.3	1.8	.1							100.0	6.7	7.0
TOTAL NUMBER OF OBSERVATIONS 1860														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	3.0	4.4	1.2	.1								8.6	6.2	6.0
020-040	1.8	1.5	.6									3.9	5.6	5.0
050-070	1.5	.7										2.2	3.8	3.0
(E) 080-100	1.5	.5										2.0	3.7	3.0
110-130	1.1	.6	.1									1.8	4.1	3.0
140-160	1.3	1.9	.8									4.0	6.5	6.0
(S) 170-190	2.8	7.3	5.1	.3								15.5	7.8	8.0
200-220	2.5	8.3	6.2	.5								17.5	8.3	8.0
230-250	1.5	4.1	3.2	.2								9.0	7.9	8.0
(W) 260-280	1.5	3.8	2.2	.2								7.6	7.6	7.0
290-310	1.5	6.6	3.4	.2								11.6	8.0	8.0
320-340	2.7	5.6	2.1	.2								10.6	7.1	7.0
VARIABLE														
CALM	////////////////////////////////////											5.7	////////	
TOTALS	22.7	45.3	24.9	1.7								100.0	6.9	7.0

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	3.1	3.0	.8	.1								6.8	5.6	5.0
020-040	1.5	.8	.1									2.3	4.0	4.0
050-070	1.3	.2										1.6	2.9	2.0
(E) 080-100	1.4	.2										1.6	2.7	2.0
110-130	1.5	.4										1.8	3.3	3.0
140-160	2.7	2.1	.3									5.1	4.8	4.0
(S) 170-190	4.8	12.1	4.1	.1								21.1	6.8	7.0
200-220	3.7	6.1	2.4	.1								12.3	6.7	6.0
230-250	1.7	2.4	.7	.1	.1							4.9	6.3	6.0
(W) 260-280	1.8	3.2	.2									5.2	5.6	5.0
290-310	3.7	3.7	.8	.1								8.1	5.4	5.0
320-340	3.2	2.7	1.1	.1								7.0	5.5	5.0
VARIABLE														
CALM	////////////////////////////////////											22.3	////////	
TOTALS	30.4	36.9	10.5	.6	.1							100.0	4.5	6.0

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.0	1.2	.2									4.5	4.3	4.0
020-040	1.4	.2	.1									1.7	3.1	2.0
050-070	1.4	.1										1.5	2.5	2.0
(E) 080-100	1.0	.1										1.1	2.6	2.0
110-130	1.6	.1										1.7	2.3	2.0
140-160	4.5	2.4	.1									7.0	3.8	3.0
(S) 170-190	9.7	10.7	1.3									21.6	5.3	5.0
200-220	3.4	4.5	.5									8.3	5.3	5.0
230-250	1.0	.9	.1									1.9	4.6	4.5
(W) 260-280	1.7	.9										2.4	4.5	4.0
290-310	1.8	1.4	.2									3.4	5.0	4.0
320-340	1.5	1.7	.2									3.4	5.2	5.0
VARIABLE														
CALM	////////////////////////////////////											41.5	////////////////////////////////	
TOTALS	31.8	24.2	2.7									100.0	2.7	4.0

TOTAL NUMBER OF OBSERVATIONS 1258

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	3.7	1.1	.1								8.3	5.7	5.0
020-040	2.4	1.4	.3	.0								4.2	4.6	4.0
050-070	1.5	.4	.0									2.0	3.3	3.0
(E) 080-100	1.1	.3	.0									1.5	3.5	3.0
110-130	1.2	.3	.0									1.5	3.4	3.0
140-160	2.5	1.8	.3									4.6	4.7	4.0
(S) 170-190	5.5	7.8	2.4	.1								15.8	6.2	6.0
200-220	3.9	6.5	2.9	.2								13.4	6.8	6.0
230-250	2.0	2.8	1.1	.1	.0							5.9	6.4	6.0
(W) 260-280	1.5	2.4	.8	.1								4.9	6.4	6.0
290-310	2.2	3.3	1.5	.1								7.1	6.8	6.0
320-340	2.7	3.6	1.3	.1								7.7	6.2	6.0
VARIABLE														
CALM	////////////////////											23.0	////////	
TOTALS	30.0	34.3	11.7	.8								100.0	4.6	6.0

TOTAL NUMBER OF OBSERVATIONS 11863

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	4.5	2.2	.5								7.0	4.6	4.0
020-040	2.1	1.2									3.3	3.9	4.0
050-070	2.2	.2									2.3	2.4	2.0
(E) 080-100	1.0	.5									1.4	3.8	4.0
110-130	2.0	.7									2.7	3.5	3.0
140-160	4.3	3.1	.2								7.7	4.5	4.0
(S) 170-190	10.6	12.2	1.4								24.2	5.2	5.0
200-220	7.0	8.6	1.0								16.6	5.6	5.0
230-250	2.2	.6	.2								2.9	4.0	3.5
(W) 260-280	.5	.2	.1								.8	4.9	4.0
290-310	.6	.5	.2								1.3	4.9	4.5
320-340	1.5	1.0	.1								2.6	4.5	3.0
VARIABLE													
CALM	////////////////////										27.2	////////////////	
TOTALS	38.3	31.0	3.7								100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 1250

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: AUG HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	2.5										5.2	4.5	4.0
020-040	2.5	1.0	.3									3.8	4.5	4.0
050-070	2.3	.1										2.5	2.5	2.0
(E) 080-100	.7	.3										1.0	3.7	2.0
110-130	.3											.3	2.5	2.5
140-160	2.8											2.8	2.4	2.0
(S) 170-190	7.3	3.5	.1									10.9	4.1	4.0
200-220	3.9	2.3	.1	.1								6.5	4.8	4.0
230-250	.4	.4	.1									1.0	5.9	5.0
(W) 260-280	.4	.4										.9	4.2	4.0
290-310	.9	.7										1.6	4.1	4.0
320-340	2.8	.3										3.1	3.4	3.0
VARIABLE														
CALM	////////////////////////////////////											60.5	////////////////////////////////	
TOTALS	27.1	11.5	.6	.1								100.0	1.6	4.0
TOTAL NUMBER OF OBSERVATIONS 688														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	3.2	.3									6.3	5.1	5.0
020-040	4.0	1.2										5.1	3.3	3.0
050-070	2.4	.1										2.5	2.4	2.0
(E) 080-100	.7	.1										.9	2.7	2.0
110-130		.1										.1	5.0	5.0
140-160	1.5	.3										1.6	3.4	3.0
(S) 170-190	4.4	2.5	.1									7.1	4.3	4.0
200-220	2.5	4.1	.6									7.2	5.1	5.0
230-250	1.2	.9										2.1	4.5	4.0
(W) 260-280	.7											.7	2.6	3.0
290-310	1.3	.7	.3									2.4	5.1	4.0
320-340	1.5	.9	.1									2.5	5.0	4.0
VARIABLE														
CALM	////////////////////////////////////											61.5	////////////////////////////////	
TOTALS	22.8	14.1	1.4									100.0	1.7	4.0
TOTAL NUMBER OF OBSERVATIONS 680														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	5.9	4.2	1.1									11.2	4.9	4.0
020-040	3.6	1.5	.2									5.2	4.0	3.0
050-070	1.6	.4										2.0	3.2	3.0
(E) 080-100	.8	.2										1.0	3.3	3.0
110-130	.9	.2										1.1	3.3	2.0
140-160	1.9	.7	.1									2.6	3.6	3.0
(S) 170-190	1.6	4.9	.6				.1					10.1	5.2	5.0
200-220	3.9	3.7	.8	.1								8.4	5.3	5.0
230-250	1.3	.8	.2	.1								2.4	5.2	4.0
(W) 260-280	.9	.9	.1	.1								1.9	5.3	5.0
290-310	1.4	.9	.9									3.2	6.4	5.0
320-340	1.9	1.9	.2									4.0	4.9	5.0
VARIABLE														
CALM	////////////////////////////////////										46.8	////////////////////////////////		
TOTALS	28.7	20.3	4.2	.3			.1					100.0	2.6	4.0

TOTAL NUMBER OF OBSERVATIONS 1857

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: NESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.3	6.6	1.4	.1								15.3	5.3	5.0
020-040	4.5	3.4	.6									8.5	4.7	4.0
050-070	2.4	1.2	.4									4.0	4.4	4.0
(E) 080-100	1.2	.4										1.6	3.5	3.0
110-130	1.0	.5										1.5	3.8	3.5
140-160	1.9	1.5	.3									3.8	4.9	4.0
(S) 170-190	4.4	5.5	1.3									11.2	5.7	6.0
200-220	5.5	6.2	2.0									13.7	5.8	5.0
230-250	3.7	2.2	.6									6.6	4.8	4.0
(W) 260-280	2.5	1.7	.7			.1						5.0	5.8	5.0
290-310	2.8	2.7	1.6	.2	.1							7.4	6.6	6.0
320-340	4.4	3.5	.9									8.8	5.2	4.5
VARIABLE														
CALM	////////////////////////////////////											12.7	////////	
TOTALS	41.6	35.4	9.8	.3	.1	.1						100.0	4.7	5.0
TOTAL NUMBER OF OBSERVATIONS 1860														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: AUG HOURS: 12 14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	4.7	5.5	1.6	.1								11.9	5.9	5.0
020-040	3.1	2.5	.6									6.1	5.1	4.5
050-070	2.2	1.6	.4									4.2	4.9	4.0
(E) 080-100	1.2	.5	.1									1.7	3.8	4.0
110-130	1.4	.8	.1									2.3	4.6	4.0
140-160	2.3	2.0	.4									4.7	5.0	5.0
(S) 170-190	3.1	6.1	2.6	.2								12.0	7.0	7.0
200-220	3.5	7.6	3.6	.1								14.9	7.0	6.0
230-250	2.6	3.6	1.9	.1								8.2	6.8	6.0
(W) 260-280	2.6	3.8	1.8	.2								8.3	6.7	6.0
290-310	2.5	4.1	2.8	.2	.1							9.7	7.6	8.0
320-340	3.2	4.5	2.0	.3								9.9	6.7	6.5
VARIABLE														
CALM	////////////////////////////////////											5.9	////////////////////////////////	
TOTALS	32.4	42.6	17.9	1.2	.1							100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.2	4.5	1.8	.1								10.6	6.1	6.0
020-040	2.4	2.0	.7									5.1	5.5	5.0
050-070	2.0	1.4	.2									3.5	4.6	4.0
(E) 080-100	1.5	1.0	.1									2.5	4.1	4.0
110-130	1.5	.9	.1									2.5	4.6	4.0
140-160	2.4	1.9	.4									4.7	4.9	4.0
(S) 170-190	3.1	8.4	2.8	.2								14.5	7.0	7.0
200-220	2.4	6.5	3.7	.3								12.8	7.7	8.0
230-250	1.2	4.4	2.3	.1								7.9	7.5	7.0
(W) 260-280	1.5	3.5	1.1	.2	.1							6.5	7.4	7.0
290-310	1.9	4.9	3.3	.6	.1							10.8	7.9	7.0
320-340	3.4	5.2	1.7	.1								10.3	6.4	6.0
VARIABLE														
CALM	////////////////////											8.3	////	////
TOTALS	27.5	44.6	18.2	1.6	.2							100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.2	2.9	.7	.1								7.9	5.0	4.0
020-040	1.1	1.8	.4	.1								3.4	6.0	6.0
050-070	2.4	.4	.2									3.0	3.4	2.0
(E) 080-100	1.7	.3										2.0	2.9	2.0
110-130	2.2	.4										2.5	3.0	2.0
140-160	4.5	1.7	.2									6.5	4.0	4.0
(S) 170-190	6.3	9.5	1.7	.1								17.5	5.8	6.0
200-220	2.9	5.1	1.2	.2	.1							9.4	6.4	6.0
230-250	1.9	2.0	.4									4.4	5.4	5.0
(W) 260-280	2.0	1.0	.2	.1								3.2	4.7	4.0
290-310	2.9	2.7	.9	.2								6.7	6.0	5.0
320-340	3.9	2.6	.4									6.9	4.7	4.0
VARIABLE														
CALM	////////////////////											26.6	////////	
TOTALS	36.0	30.4	6.3	.8	.1							100.0	3.8	5.0

TOTAL NUMBER OF OBSERVATIONS 1858

OPERATING LOCATION: "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	2.2	.4									6.1	4.5	4.0
020-040	3.2	1.6	.1									4.9	4.0	3.0
050-070	2.2	.5	.1									2.7	3.3	2.0
(E) 080-100	1.3	.1										1.4	2.9	2.5
110-130	2.3											2.3	2.8	3.0
140-160	5.6	1.7										7.3	3.4	3.0
(S) 170-190	7.7	7.2	.7									15.6	4.8	5.0
200-220	1.7	2.9	.3									4.9	5.6	5.0
230-250	.6	.5	.2									1.3	4.8	4.5
(W) 260-280	.9	.4	.1									1.3	4.6	4.0
290-310	1.8	1.6	.3									3.7	4.9	5.0
320-340	1.9	.9	.5	.1								3.4	5.3	4.0
VARIABLE														
CALM	////////////////////////////////////											45.1	////////	
TOTALS	32.7	19.6	2.7	.1								100.0	2.4	4.0

TOTAL NUMBER OF OBSERVATIONS 1279

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: AUG HOURS: ALL

DIRECTION   (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	4.8	4.2	1.1	.1								10.2	5.3	5.0
020-040	3.0	2.0	.4	.0								5.5	4.8	4.0
050-070	2.2	.9	.2									3.2	4.0	3.0
(E) 080-100	1.2	.4	.0									1.6	3.5	3.0
110-130	1.3	.4	.0									1.8	3.8	3.0
140-160	2.9	1.4	.2									4.5	4.2	4.0
(S) 170-190	4.8	6.5	1.5	.1			.0					12.9	5.8	6.0
200-220	3.4	5.2	1.8	.1	.0							10.5	6.4	6.0
230-250	1.8	2.2	.9	.0								4.9	6.1	6.0
(W) 260-280	1.6	1.8	.6	.1	.0	.0						4.1	6.2	5.0
290-310	2.1	2.6	1.5	.2	.0							6.5	6.9	6.5
320-340	3.1	2.9	.9	.1								6.9	5.7	5.0
VARIABLE														
CALM	////////////////////////////////////											27.4	////////	
TOTALS	32.2	30.5	9.1	.7								100.0	4.1	5.0

TOTAL NUMBER OF OBSERVATIONS 11942



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		5.5	5.1	1.2									11.8	5.2	5.0
020-040		3.2	2.9	.4									6.4	4.9	5.0
050-070		2.7	1.4	.2									4.3	4.1	3.5
(E) 080-100		1.1	.6										1.7	4.1	4.0
110-130		1.2	.5										1.8	3.7	3.0
140-160		4.3	1.4	.2									6.0	3.8	3.0
(S) 170-190		7.0	10.8	1.5				.1					19.3	5.7	5.0
200-220		4.5	5.2	1.2	.1								11.0	5.5	5.0
230-250		1.0	.8	.3	.1								2.2	6.3	5.0
(W) 260-280		.5	.1	.1									.7	3.7	2.5
290-310		.5											.5	3.1	4.0
320-340		1.8	.7										2.5	3.6	4.0
VARIABLE															
CALM		////////////////////////////////////										31.8	////////////////////////////////		
TOTALS		33.3	29.5	5.1	.2			.1					100.0	3.4	5.0

TOTAL NUMBER OF OBSERVATIONS 1473

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.1	1.7	.3									7.1	4.1	3.0
020-040	2.0	1.9	.3									4.2	5.1	5.0
050-070	2.2	.1										2.3	2.9	2.0
(E) 080-100	.7		.1									.9	4.2	2.5
110-130	.7		.1	.1								1.0	5.4	3.0
140-160	2.8	.1										2.9	2.7	2.5
(S) 170-190	5.1	3.6	.7	.1								9.6	5.0	4.0
200-220	2.0	1.6	.4									4.1	5.3	4.5
230-250	.7	.4										1.2	3.9	4.0
(W) 260-280	.7	.7										1.5	5.1	4.5
290-310	.7	1.0	.3									2.0	5.9	5.0
320-340	2.3	.4	.3									3.1	4.0	4.0
VARIABLE														
CALM	////////////////////											60.2	////////	
TOTALS	25.0	11.5	2.5	.2								100.0	1.8	4.0
TOTAL NUMBER OF OBSERVATIONS 688														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.1	2.9	.7									8.7	4.9	4.5
020-040	1.9	1.7	.3									3.9	5.1	5.0
050-070	1.5	.1	.3									1.9	3.8	2.0
(E) 080-100	.4	.3										.7	3.6	2.0
110-130	.6											.6	1.8	2.0
140-160	1.0	.3										1.3	3.4	3.0
(S) 170-190	5.5	2.9	.4	.3								9.1	4.7	4.0
200-220	2.3	1.7	.3	.3								4.6	5.8	4.5
230-250	1.6	.1										1.7	2.8	2.5
(W) 260-280	.6	1.0	.1									1.7	6.1	6.1
290-310	1.5	1.2	.6	.1								3.3	6.5	6.1
320-340	1.9	1.3										3.2	4.8	4.1
VARIABLE														
CALM	////////////////////////////////////											59.1	////////////////////////////////	
TOTALS	23.9	13.5	2.7	.7								100.0	2.0	4.0
TOTAL NUMBER OF OBSERVATIONS 689														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.2	5.0	.6	.1								11.9	4.9	4.0
020-040	3.5	1.9	.3	.1								5.8	4.4	4.0
050-070	2.3	.7	.1									3.1	3.4	3.0
(E) 080-100	.7	.5										1.2	4.5	4.0
110-130	.8	.3	.1									1.2	4.0	3.0
140-160	1.4	.3	.1	.1								1.8	4.0	2.0
(S) 170-190	4.6	3.3	.7	.2								8.7	5.1	4.0
200-220	2.3	2.9	.9									6.2	5.8	6.0
230-250	.9	1.2	.1	.1								2.2	4.9	5.0
(W) 260-280	.9	.6	.4	.1								2.0	6.6	5.0
290-310	.9	.9	.4									2.2	6.3	6.0
320-340	2.3	1.6	.7	.1	.1							4.7	5.6	5.0
VARIABLE														
CALM	////////////////////											48.9	////////	
TOTALS	26.8	19.2	4.4	.8	.1							100.0	2.6	4.0
TOTAL NUMBER OF OBSERVATIONS 1800														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.3	6.2	1.7	.4	.1							13.7	6.0	5.0
020-040	3.1	2.9	.5	.1								6.5	5.3	5.0
050-070	2.3	1.8	.1									4.2	4.6	4.0
(E) 080-100	1.3	.4	.1									1.8	3.8	3.0
110-130	1.2	.3										1.6	3.1	2.5
140-160	1.6	.7	.2	.1	.1							2.6	4.7	4.0
(S) 170-190	3.8	4.9	1.1	.2								9.9	5.8	6.0
200-220	4.7	6.9	2.8	.2								14.7	6.5	6.0
230-250	3.4	1.9	.7	.1								6.2	4.8	4.0
(W) 260-280	1.6	1.5	.9	.1								4.2	6.3	5.0
29-310	1.9	3.7	2.2	.4	.1							8.3	7.7	7.0
320-340	3.6	4.6	2.2	.1								10.5	6.3	6.0
VARIABLE														
CALM	////////////////////											15.9	////////	
TOTALS	33.8	35.8	12.5	1.7	.3							100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 1800

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	5.3	2.6	.2								11.8	6.7	6.0
020-040	2.7	3.0	.3									5.9	5.1	5.0
050-070	2.3	1.8	.2									4.3	4.5	4.0
(E) 080-100	1.1	.5	.1									1.7	4.0	3.0
110-130	1.5	.7	.1									2.3	4.0	4.0
140-160	1.6	.9	.6	.1								3.1	5.5	4.0
(S) 170-190	2.9	5.9	2.8	.8	.1							12.4	7.5	7.0
200-220	3.6	8.4	4.7	.4								17.1	7.5	7.0
230-250	2.6	2.7	1.3	.2								6.7	6.3	5.0
(W) 260-280	2.0	2.7	1.6	.3								6.6	7.4	7.0
290-310	2.3	3.7	4.3	.8	.1							11.2	8.5	9.0
320-340	3.3	5.6	1.9	.1								10.9	6.6	6.0
VARIABLE														
CALM	////////////////////////////////////											6.0	////////////////////////////////	
TOTALS	29.6	41.2	20.5	2.9	.2							100.0	6.4	6.0

TOTAL NUMBER OF OBSERVATIONS 1800

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	3.9	4.4	1.4	.1								9.9	5.8	5.5
020-040	2.7	1.4	.2	.2								4.4	4.9	4.0
050-070	3.0	1.7										4.7	3.9	4.0
(E) 080-100	1.9	.7										2.6	3.7	3.0
110-130	1.1	.4	.1									1.5	3.6	3.0
140-160	2.3	1.7	.2									4.2	4.6	4.0
(S) 170-190	3.9	6.6	3.3	.7	.1							14.5	7.3	6.0
200-220	3.0	7.2	3.1	.2	.1							13.6	7.3	7.0
230-250	1.6	3.3	1.7	.2	.1							6.8	7.4	8.0
(W) 260-280	1.2	3.3	1.9	.3	.1							6.7	7.8	7.0
290-310	2.1	5.0	3.6	.6	.1							11.3	8.2	8.0
320-340	3.1	5.1	1.9	.1								10.3	6.5	6.0
VARIABLE														
CALM	////////////////////////////////////											9.5	////////////////////////////////	
TOTALS	29.8	40.8	17.4	2.4	.5							100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1798

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.5	2.1	.5									7.1	4.4	4.0
020-040	2.6	1.9	.2									4.7	4.4	4.0
050-070	2.4	.9										3.3	3.4	3.0
(E) 080-100	1.8	.3										2.1	3.2	3.0
110-130	1.6	.3										1.9	2.7	2.0
140-160	4.7	1.4	.4									6.6	4.1	4.0
(S) 170-190	6.1	7.8	1.9	.1								15.9	5.9	6.0
200-220	2.9	3.3	.8									7.0	5.6	5.0
230-250	1.0	1.3	.2									2.4	5.4	5.0
(W) 260-280	1.9	1.2	.4	.1								3.6	5.2	4.0
290-310	3.2	3.7	.8	.1	.1							7.8	5.8	5.0
320-340	3.6	2.6	.5									6.7	4.8	4.0
VARIABLE														
CALM	////////////////////////////////////											30.7	////////////////////////////////	
TOTALS	36.3	26.8	5.7	.3	.1							100.0	3.4	4.0
TOTAL NUMBER OF OBSERVATIONS 1797														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	4.8	2.8	.2									7.9	4.1	4.0
020-040	2.0	1.5	.3									3.8	4.7	4.0
050-070	2.4	.6										3.0	3.1	2.0
(E) 080-100	1.1	.1										1.2	2.5	2.0
110-130	.9	.2										1.1	2.7	2.0
140-160	4.4	.8	.2									5.3	3.3	3.0
(S) 170-190	8.8	6.1	.6									15.5	4.7	4.0
200-220	2.8	2.2	.5									5.5	5.0	4.0
230-250	.4	.6										1.0	5.5	6.0
(W) 260-280	.9	1.0	.1									1.9	4.9	5.0
290-310	1.4	1.8	1.1									4.2	6.6	6.0
320-340	2.7	2.2	.5									5.3	5.2	4.5
VARIABLE														
CALM	////////////////////////////////////											44.3	////////////////////////////////	
TOTALS	32.6	19.9	3.5									100.0	2.5	4.0

TOTAL NUMBER OF OBSERVATIONS 1238

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.8	4.2	1.1	.1	.0							10.2	5.4	5.0
020-040	2.7	2.1	.3	.0								5.1	4.9	4.0
050-070	2.4	1.1	.1									3.6	3.9	4.0
(E) 080-100	1.2	.4	.0									1.7	3.6	3.0
110-130	1.1	.3	.0	.0								1.5	3.4	3.0
140-160	2.5	.9	.2	.0	.0							3.7	4.2	3.0
(S) 170-190	4.8	5.5	1.6	.3	.0							12.3	6.0	5.0
200-220	3.1	4.9	2.0	.1	.0							10.2	6.6	6.0
230-250	1.7	1.7	.6	.1	.0							4.0	5.9	5.0
(W) 260-280	1.4	1.7	.8	.1	.0							4.0	6.8	6.0
290-310	1.9	3.0	1.9	.3	.0							7.1	7.5	7.0
320-340	3.0	3.4	1.2	.1	.0							7.6	6.0	6.0
VARIABLE														
CALM	////////////////////											29.0	////////	
TOTALS	30.6	29.2	9.8	1.1								100.0	4.1	5.0

TOTAL NUMBER OF OBSERVATIONS 11610

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.1	4.0	.7	.1								11.9	4.5	4.0
020-040	4.6	5.0	.1									9.6	4.6	5.0
050-070	4.1	2.6	.1									6.8	4.2	4.0
(E) 080-100	2.0	.9	.1									3.0	4.0	3.0
110-130	.9	.3	.1	.1								1.3	4.5	3.0
140-160	1.8	.6	.1	.1								2.6	4.2	3.0
(S) 170-190	7.7	9.2	1.1	.8								18.8	5.8	5.0
200-220	3.0	5.0	2.3	.1	.1							10.4	6.7	6.0
230-250	.9	.5										1.4	3.7	2.0
(W) 260-280	.2	.1	.1									.4	4.3	3.0
290-310	.3		.1									.4	4.5	3.5
320-340	2.1	1.0	.1									3.1	4.0	3.0
VARIABLE														
CALM	////////////////////////////////////											30.3	////////////////////////////////	
TOTALS	34.7	29.2	4.9	1.2	.1							100.0	3.5	5.0

TOTAL NUMBER OF OBSERVATIONS 1642

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: OCT HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	3.1	.8									8.0	5.2	4.0
020-040	2.5	2.2	.6									5.2	5.3	5.0
050-070	1.8	1.4	.6									3.8	5.3	5.0
(E) 080-100	1.2	.6	.2									2.0	4.2	4.0
110-130	.3											.3	3.0	3.0
140-160	1.8	.2										2.0	2.6	2.0
(S) 170-190	3.8	2.5	.3									6.6	4.8	4.0
200-220	2.2	2.3	.8									5.2	5.4	5.5
230-250	1.1	.6										1.7	3.7	4.0
(W) 260-280	1.1	.6	.3									2.0	5.3	4.0
290-310	1.5	1.4	.5	.3								3.7	6.8	6.0
320-340	2.2	2.3	.9	.2								5.5	6.3	6.0
VARIABLE														
CALM	////////////////////////////////////											53.9	////////	
TOTALS	23.6	17.2	5.0	.5								100.0	2.4	4.0
TOTAL NUMBER OF OBSERVATIONS 651														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: OCT HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.3	4.9	1.5									10.8	5.8	5.0
020-040	1.5	2.2	.6	.2								4.5	6.5	7.0
050-070	2.6	.6	.9									4.1	4.9	4.0
(E) 080-100	.3	1.1										1.4	5.4	6.0
110-130	.3	.3										.6	4.8	4.5
140-160	1.1											1.1	1.9	2.0
(S) 170-190	2.3	4.0	.2									6.5	5.3	5.0
200-220	3.1	1.1	.9									5.1	5.2	4.0
230-250	1.7	.2										1.8	3.3	4.0
(W) 260-280	.8	.3		.2								1.2	4.9	2.5
290-310	.8	1.1	1.4	.2								3.4	8.3	8.5
320-340	1.4	1.4	5									3.2	5.9	6.0
VARIABLE														
CALM	////////////////////////////////////											56.4	////////////////////////////////	
TOTALS	20.2	17.2	6.0	.6								100.0	2.4	5.0
TOTAL NUMBER OF OBSERVATIONS 651														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	5.0	4.7	1.3	.2								11.1	5.7	5.0
020-040	3.1	2.1	.6									5.8	5.0	4.0
050-070	2.2	.6	.4									3.2	4.4	3.5
(E) 080-100	.6	.8	.1									1.4	5.6	6.5
110-130	.7	.1										.8	2.9	2.0
140-160	2.0	.5	.1									2.6	3.4	3.0
(S) 170-190	4.0	2.7	.7	.1								7.5	5.1	4.0
200-220	2.0	2.3	.6	.3								5.2	6.2	5.0
230-250	.6	1.5	.3	.2	.1							2.7	7.3	6.0
(W) 260-280	.6	1.7	1.0	.1	.1							3.5	8.1	8.0
290-310	1.2	1.8	1.5	.2	.1							4.8	8.0	8.0
320-340	2.5	1.5	.6	.2								4.8	5.6	4.0
VARIABLE														
CALM	////////////////////////////////////										46.7	////////////////////////////////		
TOTALS	24.5	20.3	7.2	1.3	.3							100.0	3.1	5.0

TOTAL NUMBER OF OBSERVATIONS 1810

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: OCT HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	4.2	7.3	3.6	.3	.1							15.4	7.0
020-040	3.2	3.1	1.3	.2								7.8	6.1
050-070	1.0	1.5	.3									2.8	5.6
(E) 080-100	1.2	1.1	.2									2.5	5.0
110-130	.9	.5	.2									1.6	4.7
140-160	1.0	.7	.1									1.8	4.3
(S) 170-190	2.4	3.9	1.8	.3								8.3	6.9
200-220	3.9	6.1	2.2	.2	.1							12.4	6.5
230-250	3.2	1.7	1.0	.2								6.1	5.7
(W) 260-280	2.1	1.9	1.5	.6								6.1	7.4
290-310	1.9	1.9	4.0	1.4	.1							9.2	9.6
320-340	2.7	4.0	2.5	.3								9.5	7.3
VARIABLE													
CALM	////////////////////										16.5	////////	
TOTALS	27.7	33.7	18.7	3.5	.3							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: OCT HOURS: 12-14

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		3.5	6.0	3.0	.3	.1							12.8	7.2	7.0
020-040		2.3	2.7	1.4									6.3	6.4	6.0
050-070		1.2	1.6	.4									3.2	5.6	6.0
(E) 080-100		.9	1.0	.3									2.2	6.0	6.0
110-130		.8	.6	.1									1.5	4.9	4.5
140-160		1.4	1.1	.2	.1								2.8	5.4	4.5
(S) 170-190		2.4	4.9	3.4	.4	.1							11.2	8.1	8.0
200-220		3.2	6.1	3.7	.8	.1							13.9	7.9	8.0
230-250		3.5	2.8	1.9	.2		.1						8.4	6.4	5.0
(W) 260-280		1.7	2.3	2.4	.9	.1							7.4	8.6	9.0
290-310		2.3	2.7	5.6	1.4	.5							12.5	10.0	10.0
320-340		2.8	4.2	3.4	.4	.1							10.9	7.6	7.0
VARIABLE															
CALM		////////////////////////////////////											6.7	////////////////////////////////	
TOTALS		26.0	36.0	25.8	4.5	1.0	.1						100.0	7.1	7.0
TOTAL NUMBER OF OBSERVATIONS 1860															



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	3.2	4.5	1.6	.3	.1							9.6	6.6	6.0
020-040	1.3	2.4	.8	.2								4.7	7.0	7.0
050-070	2.5	1.4	.3									4.1	4.9	4.0
(E) 080-100	1.4	1.1	.3									2.8	5.0	4.5
110-130	.9	.5	.2									1.6	5.2	4.0
140-160	2.4	1.2	.2									3.9	4.4	4.0
(S) 170-190	3.0	7.2	3.7	.3	.1							14.2	7.7	8.0
200-220	3.2	5.1	2.6	.5								11.4	7.1	8.0
230-250	1.6	2.2	1.1	.2								5.0	7.0	7.0
(W) 260-280	1.5	2.4	1.7	.3	.1							5.9	8.0	8.0
290-310	1.9	4.5	5.4	1.2	.1	.1						13.2	9.4	10.0
320-340	2.4	3.8	2.9	.5								9.6	7.7	7.0
VARIABLE														
CALM	////////////////////////////////////											14.1	////////////////////////////////	
TOTALS	25.3	36.3	20.8	3.5	.4	.1						100.0	6.3	7.0
TOTAL NUMBER OF OBSERVATIONS 1860														

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	2.7	1.7	.2	.1							7.7	6.6	5.0
020-040	2.5	1.3	.4	.1								4.2	4.8	4.0
050-070	2.5	1.0	.2									3.7	4.0	3.0
(E) 080-100	2.0	.9	.3									3.2	4.4	3.0
110-130	1.0	.6										1.7	3.5	4.0
140-160	3.7	1.5	.2									5.4	4.4	4.0
(S) 170-190	4.5	7.3	1.2	.3								13.3	6.1	6.0
200-220	2.5	3.2	.7	.1								6.5	5.6	6.0
230-250	1.3	1.2	.2	.2								2.8	5.6	5.0
(W) 260-280	1.5	1.6	.5	.1								3.7	6.3	6.0
290-310	2.4	4.7	2.3	.3								9.7	7.1	7.0
320-340	3.0	2.6	1.0	.2								6.8	6.0	5.0
VARIABLE														
CALM	////////////////////											31.3	////////	
TOTALS	30.0	28.6	8.7	1.5	.1							100.0	4.0	5.0
TOTAL NUMBER OF OBSERVATIONS 1860														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: OCT HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	3.4	3.3	1.3	.2								8.2	6.1	5.0
020-040	2.4	1.2	.4									4.0	4.6	4.0
050-070	1.9	1.1	.2									3.3	4.6	4.0
(E) 080-100	1.6	.9	.2									2.6	4.5	4.0
110-130	1.2	.3										1.6	3.2	3.0
140-160	2.8	.8	.2									3.7	3.9	4.0
(S) 170-190	4.5	4.8	.6	.1								10.0	5.3	5.0
200-220	2.9	3.1	.5									6.5	5.4	5.0
230-250	1.2	1.0	.2									2.3	4.9	4.5
(W) 260-280	1.1	1.8	.3									3.2	6.0	6.0
290-310	2.2	3.3	.9	.2								6.4	6.4	6.0
320-340	2.5	2.4	1.0	.1								6.0	5.9	5.0
VARIABLE														
CALM	////////////////////////////////////										42.2	////////////////////////////////		
TOTALS	27.7	24.0	5.8	.6								100.0	3.1	5.0
TOTAL NUMBER OF OBSERVATIONS 1289														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: OCT HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.8	4.7	2.0	.2	.1							10.8	6.5	6.0
020-040	2.4	2.2	.8	.1								5.5	5.8	5.0
050-070	1.9	1.2	.4									3.5	4.9	4.0
(E) 080-100	1.2	1.0	.2									2.4	5.0	4.0
110-130	.8	.4	.1									1.3	4.2	4.0
140-160	2.1	.9	.1	.0								3.1	4.2	4.0
(S) 170-190	3.4	4.9	1.8	.2	.0							10.3	6.6	6.0
200-220	2.9	4.1	1.7	.3	.0							9.0	6.7	6.0
230-250	1.9	1.6	.7	.1	.0	.0						4.4	6.1	5.0
(W) 260-280	1.4	1.8	1.2	.3	.0							4.7	7.6	7.0
290-310	1.9	2.9	3.2	.8	.1	.0						8.8	8.7	9.0
320-340	2.5	3.0	1.8	.3	.0							7.6	6.9	6.0
VARIABLE														
CALM	////////////////////////////////////											28.6	////////////////////////////////	
TOTALS	26.2	28.7	14.0	2.3	.2							100.0	4.7	6.0

TOTAL NUMBER OF OBSERVATIONS 11841

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.3	7.5	2.5	.4								16.6	6.1	6.0
020-040	4.1	4.0	1.0	.1								9.3	5.8	6.0
050-070	2.5	2.2	1.1									5.8	5.9	5.0
(E) 080-100	1.5	1.8	.3									3.6	5.6	6.0
110-130	.8	1.3	.1									2.2	5.1	5.0
140-160	2.6	1.6	.4	.1								4.8	4.8	4.0
(S) 170-190	4.8	6.2	2.2	.3	.1							13.6	6.4	6.0
200-220	4.0	4.4	.8									9.2	5.4	5.0
230-250	1.5	.4										1.9	3.5	3.0
(W) 260-280	.3	.3										.6	4.8	5.0
290-310	1.2	.1	.1									1.4	3.4	3.0
320-340	2.7	.7	.1									3.5	3.8	3.0
VARIABLE														
CALM	////////////////////////////////////											27.4	////////	
TOTALS	32.3	30.5	8.6	.9	.1							100.0	4.1	5.0

TOTAL NUMBER OF OBSERVATIONS 1336

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.8	5.0	2.5	.8	.4	.1						12.6	7.8	7.0
020-040	2.9	2.2	.7									5.8	5.3	4.5
050-070	2.1	1.3	.1									3.5	4.3	4.0
(E) 080-100	1.0	1.3										2.2	4.8	5.0
110-130	.8	.4										1.2	3.8	4.0
140-160	1.5	.3	.4									2.2	4.3	2.0
(S) 170-190	3.3	1.8	.4									5.6	4.5	4.0
200-220	2.5	2.4	.3									5.1	4.6	5.0
230-250	1.5	1.0	.4									2.9	5.1	4.0
(W) 260-280	.8	2.2	1.0	.1								4.2	7.4	7.5
290-310	1.7	3.5	2.2	.6								7.9	8.1	8.0
320-340	2.6	2.8	.8	.6	.1							6.9	7.1	6.0
VARIABLE														
CALM	////////////////////////////////////											39.7	////////////////////////////////	
TOTALS	24.5	24.2	8.8	2.1	.5	.1						100.0	3.8	5.0
TOTAL NUMBER OF OBSERVATIONS 720														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	5.0	4.2	2.4	.4	.3	.1						12.4	6.7	6.0
020-040	2.8	1.9	1.1									5.8	5.9	5.0
050-070	2.1	1.0										3.1	3.9	4.0
(E) 080-100	2.4	.1	.1									2.6	3.6	3.0
110-130	.8	.6										1.4	4.2	3.5
140-160	1.4	.4										1.8	3.1	3.0
(S) 170-190	1.8	1.8	.7	.1	.1							4.6	6.6	6.0
200-220	2.4	2.1	.3									4.7	4.8	4.5
230-250	1.4	1.9	.1	.3								3.8	5.6	5.0
(W) 260-280	1.0	1.3	.4									2.6	6.1	6.0
290-310	1.9	4.3	3.5	1.3	.1							11.1	8.9	8.0
320-340	3.2	1.9	1.7	.4	.1							7.4	7.0	6.0
VARIABLE														
CALM	////////////////////////////////////										38.6	////////////////////////////////		
TOTALS	26.2	21.5	10.3	2.5	.6	.1						100.0	3.9	5.0
TOTAL NUMBER OF OBSERVATIONS 718														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.8	4.2	2.0	.3	.1							11.4	6.3	5.0
020-040	3.1	1.5	.1		.2							4.9	4.5	3.0
050-070	1.7	.8	.2									2.8	4.1	3.0
(E) 080-100	1.2	.2										1.5	3.4	3.0
110-130	.8	.3	.1									1.2	4.1	4.0
140-160	1.6	.5	.2									2.3	4.2	3.0
(S) 170-190	2.6	3.9	1.0		.1							7.5	6.4	6.0
200-220	2.4	2.3	.7		.1							5.5	5.9	5.0
230-250	1.0	1.6	.2	.1								2.8	6.0	6.0
(W) 260-280	1.1	2.7	.8	.2	.1							4.9	7.5	7.0
290-310	.9	3.6	2.6	1.0	.2							8.3	9.1	8.0
320-340	3.2	3.3	2.0	.2	.1							8.9	7.0	6.5
VARIABLE														
CALM	////////////////////////////////////											38.0	////////	
TOTALS	24.4	24.9	9.9	1.8	.9							100.0	4.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1442



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	4.7	6.4	3.1	.4								14.7	6.6	6.0
020-040	2.9	2.0	.9	.1	.1	.1						6.0	6.1	5.0
050-070	1.4	.9	.2									2.5	4.5	4.0
(E) 080-100	.8	.7	.1									1.6	4.7	4.0
110-130	1.1	.4										1.4	3.7	3.5
140-160	.9	.6	.4									1.9	5.7	5.0
(S) 170-190	2.2	3.8	1.5	.1	.1							7.7	6.8	7.0
200-220	3.4	4.0	2.4	.4		.1						10.3	7.1	7.0
230-250	2.8	2.1	1.6	.2								6.6	6.2	6.0
(W) 260-280	1.6	2.1	2.3	.7								6.7	8.6	8.0
290-310	1.9	3.4	5.1	1.5	.3							12.3	9.9	10.0
320-340	2.2	4.4	3.3	.6	.2							10.7	8.3	8.0
VARIABLE														
CALM	////////////////////////////////////										17.6	////////////////////////////////		
TOTALS	25.9	30.8	20.9	4.0	.7	.2						100.0	6.0	7.0
TOTAL NUMBER OF OBSERVATIONS 1799														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	4.5	5.7	2.1	.3	.2							12.9	6.6	6.0
020-040	2.3	1.8	1.2		.1							5.3	6.2	6.0
050-070	1.7	1.2	.2	.1								3.1	5.0	4.0
(E) 080-100	1.2	.6	.1	.1								1.9	4.5	4.0
110-130	.8	.6										1.3	4.6	4.0
140-160	1.2	1.5	.4	.1								3.2	6.1	5.0
(S) 170-190	1.8	4.6	2.2	.3	.2							9.1	7.9	7.0
200-220	2.7	4.1	3.2	.7	.2							10.8	7.9	8.0
230-250	2.7	2.3	1.9	.4	.1							7.3	7.0	6.0
(W) 260-280	2.2	2.9	2.9	1.1	.1							9.2	8.8	8.0
290-310	2.3	3.9	8.1	1.8	.5	.1						16.7	10.3	11.0
320-340	1.4	4.2	4.1	1.2	.3							11.3	9.7	9.5
VARIABLE														
CALM	////////////////////////////////////										7.8	////////////////////////////////		
TOTALS	24.8	55.4	26.4	5.1	1.2	.1						100.0	7.4	8.0
TOTAL NUMBER OF OBSERVATIONS 1800														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	4.5	1.8	.3								10.7	6.3	6.0
020-040	2.3	1.6	.3	.1	.1							4.4	5.3	4.0
050-070	1.9	1.4		.1								3.5	4.7	4.0
(E) 080-100	1.6	.9										2.6	4.0	4.0
110-130	.8	.8	.1									1.7	4.7	5.0
140-160	1.8	1.1	.3	.1	.1							3.4	5.3	4.0
(S) 170-190	3.2	4.4	3.2	.4	.1							11.3	7.5	7.0
200-220	2.4	3.5	1.8	.1								7.9	6.8	6.0
230-250	1.3	2.2	1.1	.1								4.7	6.9	7.0
(W) 260-280	1.6	3.2	2.7	.7	.1							8.2	8.5	8.0
290-310	2.2	6.6	6.8	2.1	.2							17.9	9.6	10.0
320-340	2.4	4.1	2.8	.7	.1	.1						10.2	8.2	8.0
VARIABLE														
CALM	////////////////////////////////////											13.6	////////////////////////////////	
TOTALS	25.6	34.3	20.9	4.7	.7	.1						100.0	6.4	7.0

TOTAL NUMBER OF OBSERVATIONS 1800

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.7	3.7	1.5	.1								9.9	5.6	5.0
020-040	2.6	1.3	.3		.1							4.3	5.1	4.0
050-070	2.4	1.4	.2	.1								4.1	4.5	4.0
(E) 080-100	1.6	1.3										2.9	4.4	4.0
110-130	.9	.7										1.6	4.0	4.0
140-160	2.5	1.4	.1	.1								4.1	4.4	4.0
(S) 170-190	3.3	5.4	.9	.4	.1							10.2	6.2	6.0
200-220	1.6	2.6	.9	.2								5.4	6.9	6.0
230-250	1.1	2.3	.4									3.8	6.1	6.0
(W) 260-280	1.7	1.7	1.6	.2								5.2	7.3	7.0
290-310	2.4	5.4	4.2	1.2	.2							13.3	8.6	8.0
320-340	3.4	2.6	2.1	.7	.1							8.7	7.2	6.0
VARIABLE														
CALM	////////////////////////////////////											26.5	////////////////////////////////	
TOTALS	28.2	29.8	12.2	3.0	.5							100.0	4.7	6.0
TOTAL NUMBER OF OBSERVATIONS 1800														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.9	4.8	1.8	.3	.1							11.8	6.2	6.0
020-040	2.6	2.0	.6	.1								5.3	5.2	4.5
050-070	2.8	.9	.1									3.9	3.8	3.0
(E) 080-100	.9	.6										1.4	4.6	4.0
110-130	.6	.4										1.1	4.5	4.0
140-160	2.5	.7	.2									3.4	3.9	3.0
(S) 170-190	4.0	4.3	1.0	.3	.1							9.6	5.8	5.0
200-220	2.4	2.6	.8									5.9	5.7	5.0
230-250	1.0	1.7	.4									3.1	5.9	6.0
(W) 260-280	.9	2.7	1.3	.1	.1							5.0	7.9	8.0
290-310	1.9	3.5	3.0	.6	.1							8.9	8.2	8.0
320-340	2.7	3.1	2.3	.4	.1							8.6	7.3	7.0
VARIABLE														
CALM	////////////////////											31.9	////////	
TOTALS	27.2	27.3	11.5	1.8	.5							100.0	4.2	6.0
TOTAL NUMBER OF OBSERVATIONS 1587														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.6	4.9	2.1	.3	.1	.0						12.0	6.4	6.0
020-040	2.6	1.7	.6	.0	.1	.0						5.1	5.5	4.0
050-070	2.0	1.1	.1	.0								3.3	4.4	4.0
(E) 080-100	1.3	.7	.0	.0								2.1	4.3	4.0
110-130	.8	.5	.0									1.4	4.2	4.0
140-160	1.7	.9	.3	.0	.0							2.9	4.8	4.0
(S) 170-190	2.8	4.1	1.5	.2	.1							8.8	6.7	6.0
200-220	2.5	3.1	1.5	.2	.0	.0						7.4	6.7	6.0
230-250	1.6	2.0	.9	.1	.0							4.7	6.4	6.0
(W) 260-280	1.5	2.5	1.8	.4	.1							6.2	8.2	8.0
290-310	2.0	4.4	4.8	1.3	.2	.0						12.7	9.3	10.0
320-340	2.6	3.5	2.6	.6	.1	.0						9.5	8.0	8.0
VARIABLE														
CALM	////////////////////////////////////											24.0	////////	
TOTALS	26.0	29.4	16.2	3.1	.7							100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 11666

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		9.0	9.9	3.2	.7								22.7	6.1	6.0
020-040		4.3	3.2	1.4		.1							9.0	5.6	5.0
050-070		3.6	3.2	.6	.2								7.6	5.3	5.0
(E) 080-100		1.9	1.6	.1	.1								3.7	5.2	4.0
110-130		1.3	1.3	.1									2.7	4.7	5.0
140-160		1.0	1.7	.5									3.2	5.8	6.0
(S) 170-190		1.9	5.5	2.9	.6	.4							11.2	8.4	8.0
200-220		1.3	3.0	1.7	.2	.1							6.2	7.5	8.0
230-250		1.1	.6	.1									1.8	4.4	4.0
(W) 260-280		.6	.3	.2									1.1	5.5	4.0
290-310		1.0	1.1	.2	.1								2.4	5.7	6.0
320-340		2.9	2.0	.8	.1								5.8	5.8	5.0
VARIABLE															
CALM		////////////////////////////////////										22.6	////////////////////////////////		
TOTALS		29.9	33.4	11.8	2.0	.6							100.0	4.8	6.0

TOTAL NUMBER OF OBSERVATIONS 1571

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: DEC HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND		
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65	
(N) 350-010	6.9	7.1	1.5	.7	.4	.1						16.8	6.4	5.0	
020-040	3.5	2.0	.8									6.3	5.0	4.0	
050-070	1.7	.1	.1									2.0	3.4	2.5	
(E) 080-100	.1	.4										.6	6.2	8.0	
110-130	.4											.4	2.0	2.0	
140-160	1.3											1.3	3.2	3.0	
(S) 170-190	1.5	4.1	.6	.3								6.4	6.4	6.0	
200-220	2.5	1.8	.4	.3	.1							5.2	6.0	5.0	
230-250	.4	.7										1.1	4.6	5.0	
(W) 260-280	.7	1.5	1.0	.1								3.4	7.8	8.0	
290-310	2.2	3.1	3.6	.8			.1					9.9	8.7	9.0	
320-340	2.9	5.5	2.1	.3								10.8	7.1	7.0	
VARIABLE															
CALM	////////////////////////////////////										35.9	////////////////////////////////			
TOTALS	24.1	26.3	10.1	2.5	.5	.1	.1					100.0	4.2	6.0	
TOTAL NUMBER OF OBSERVATIONS 715															



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: DEC HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.9	7.7	1.7	.4	.4							15.1	6.7	6.0
020-040	4.1	1.7	.3									6.0	4.3	4.0
050-070	1.7	.1	.1	.3	.1							2.4	5.9	4.0
(E) 080-100	.1	.3	.1									.6	6.8	7.5
110-130														
140-160	1.0	.3										1.3	3.7	3.0
(S) 170-190	2.0	2.4	1.0	.3								5.6	6.7	7.0
200-220	2.2	2.1	.7	.1								5.2	5.9	5.0
230-250	1.0	.7										1.7	4.3	4.0
(W) 260-280	1.3	1.0	1.3	.1	.1							3.8	8.1	8.0
290-310	2.1	2.4	3.4	1.5	.1		.1					9.7	9.8	10.0
320-340	3.8	3.8	3.1	.3	.1							11.1	7.0	7.0
VARIABLE														
CALM	////////////////////////////////////											37.7	////////////////////////////////	
TOTAL	24.2	22.5	11.7	3.0	.8		.1					100.0	4.3	6.0
TOTAL NUMBER OF OBSERVATIONS 714														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	5.1	7.3	2.0	.4		.1						14.9	6.4	6.0
020-040	2.4	1.4	.6									4.5	5.3	4.0
050-070	.8	.6	.1	.1	.1							1.7	6.0	5.0
(E) 080-100	.3	.1	.1									.6	5.3	3.5
110-130	.3											.3	3.3	4.0
140-160	1.7	.6	.1									2.4	3.9	3.0
(S) 170-190	3.0	3.5	1.0	.1								7.6	6.0	6.0
200-220	1.5	2.9	.6	.1								5.2	6.3	6.0
230-250	1.1	1.0	.1	.1								2.2	5.0	4.5
(W) 260-280	.6	2.0	1.6	.6	.1							4.9	9.3	9.0
290-310	2.5	3.0	3.6	1.4	.4	.1						10.9	9.5	9.0
320-340	3.9	3.1	2.2	.4	.1							9.8	6.8	6.0
VARIABLE														
CALM	////////////////////////////////////											35.0	////////	
TOTALS	23.2	25.5	12.0	3.2	.7	.2						100.0	4.5	6.0

TOTAL NUMBER OF OBSERVATIONS 1435

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.2	8.8	2.7	.7	.2							17.5	6.9	6.0
020-040	1.9	2.2	.6	.2								4.9	5.9	5.0
050-070	.9	.4	.2	.1								1.6	5.1	4.0
(E) 080-100	.3	.3	.1									.7	4.7	4.5
110-130	.4											.4	2.6	2.0
140-160	.6	.5	.1	.2								1.4	5.9	5.0
(S) 170-190	2.6	4.0	1.7	.3								8.5	6.9	7.0
200-220	2.3	5.3	1.2	.1								9.0	6.4	6.0
230-250	1.8	1.2	.7	.1								3.8	5.7	5.0
(W) 260-280	1.2	2.2	1.6	.7	.2							6.0	8.9	9.0
290-310	1.5	4.5	5.2	2.1	.7	.1	.1					14.1	10.6	10.0
320-340	2.7	4.4	2.5	1.0	.2							10.8	8.2	8.0
VARIABLE														
CALM	////////////////////////////////////											21.4	////////	
TOTALS	21.4	33.8	16.6	5.5	1.3	.1	.1					100.0	6.0	7.0

TOTAL NUMBER OF OBSERVATIONS 1795

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	4.7	9.1	3.5	.3	.2							17.8	7.0	6.0
020-040	1.6	2.4	.4	.2								4.6	6.3	5.0
050-070	.8	.5	.2									1.4	4.9	4.0
(E) 080-100	.6	.3		.1								.9	5.0	4.0
110-130	.6	.2										.7	3.4	2.0
140-160	.9	.8		.1								1.8	4.8	4.0
(S) 170-190	1.7	4.2	2.8	.4								9.1	8.0	8.0
200-220	2.5	4.3	1.9	.4	.1							9.3	7.5	7.0
230-250	1.6	1.9	.4	.2	.1							4.2	6.6	6.0
(W) 260-280	1.2	2.6	2.9	.8	.3	.1						7.9	9.9	10.0
290-310	1.2	3.6	7.7	2.6	1.2	.1						16.4	11.6	11.0
320-340	2.8	4.3	4.8	1.3	.4	.1						13.8	9.0	9.0
VARIABLE														
CALM	////////////////////////////////////											12.2	////////	
TOTALS	20.2	34.2	24.6	6.4	2.3	.3						100.0	7.4	8.0

TOTAL NUMBER OF OBSERVATIONS 1794

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.9	6.4	2.1	.3								14.7	6.2	5.0
020-040	2.0	2.5	.4									4.9	5.3	5.0
050-070	1.2	.7	.3									2.3	4.7	4.0
(E) 080-100	.5	.2	.1	.1								.8	5.5	4.0
110-130	.5	.2										.7	3.6	3.0
140-160	1.7	1.2	.2									3.2	4.8	4.0
(S) 170-190	2.9	4.7	1.6	.1								9.3	6.8	7.0
200-220	1.7	3.0	1.0	.3								6.0	6.8	7.0
230-250	1.1	1.9	.6	.2								3.8	6.7	6.0
(W) 260-280	1.2	3.1	2.4	.5	.2							7.4	8.9	8.0
290-310	2.6	5.6	5.9	2.4	1.0	.1						17.6	10.2	10.0
320-340	2.9	5.0	3.7	.9	.3	.1						12.9	8.2	7.0
VARIABLE														
CALM	////////////////////											16.5	////////	
TOTALS	24.2	34.5	18.3	4.8	1.5	.2						100.0	6.3	7.0
TOTAL NUMBER OF OBSERVATIONS 1777														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.0	5.5	2.2	.2	.1							13.1	6.3	6.0
020-040	2.9	.9	.3	.1								4.1	4.1	3.0
050-070	1.4	.9	.1									2.4	4.2	3.0
(E) 080-100	.8	.1										.9	2.8	3.0
110-130	.6	.1	.1									.8	3.3	2.0
140-160	2.8	1.1	.1		.1							4.1	4.1	4.0
(S) 170-190	2.5	5.1	.7	.2								8.5	6.4	6.0
200-220	1.8	2.2	.6	.1								4.7	6.0	5.0
230-250	1.3	1.7	.5	.1	.1							3.7	6.1	5.0
(W) 260-280	2.5	2.5	1.4	.4	.1							6.8	7.1	6.0
290-310	2.8	5.7	4.5	1.7	.5	.3						15.4	9.6	9.0
320-340	3.0	3.4	1.7	.5	.2							8.8	7.2	6.0
VARIABLE														
CALM	////////////////////											26.7	////////	
TOTALS	27.4	29.2	12.2	3.3	1.1	.3						100.0	5.0	6.0
TOTAL NUMBER OF OBSERVATIONS 1743														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.6	5.3	2.3	.4	.1							12.7	6.7	6.0
020-040	2.2	1.4	.5									4.1	5.1	4.0
050-070	1.6	.6	.1									2.3	4.0	4.0
(E) 080-100	.5	.3	.1									.8	4.1	4.0
110-130	.6											.6	3.0	3.0
140-160	2.1	.8	.1									3.0	4.0	3.0
(S) 170-190	3.1	4.7	1.2	.1								9.1	6.0	6.0
200-220	2.2	2.2	.3	.2								4.9	5.6	5.0
230-250	1.3	2.1	.6									4.0	6.2	6.0
(W) 260-280	1.5	2.4	.6	.3	.1							4.9	7.2	6.0
290-310	1.8	4.4	3.9	1.0	.6	.1						11.7	9.6	9.0
320-340	3.0	3.8	2.0	.2	.1							9.1	6.7	6.0
VARIABLE														
CALM	////////////////////////////////////											32.7	////////	
TOTALS	24.5	28.0	11.6	2.2	.9	.1						100.0	4.5	6.0
TOTAL NUMBER OF OBSERVATIONS 1542														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: DEC HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	5.2	7.2	2.4	.4	.1	.0						15.3	6.6	6.0
020-040	2.4	1.8	.5	.1								4.7	5.2	4.0
050-070	1.2	.6	.2	.0	.0							2.0	4.7	4.0
(E) 080-100	.5	.2	.1	.0								.8	4.7	4.0
110-130	.5	.1	.0									.5	3.2	2.0
140-160	1.6	.8	.1	.0	.0							2.5	4.4	4.0
(S) 170-190	2.5	4.2	1.4	.2								8.4	6.7	6.0
200-220	2.1	3.2	.9	.2	.0							6.4	6.5	6.0
230-250	1.3	1.5	.4	.1	.0							3.4	6.1	6.0
(W) 260-280	1.3	2.3	1.7	.5	.1	.0						6.0	8.6	8.0
290-310	2.1	4.3	5.0	1.8	.7	.1	.0					13.9	10.2	10.0
320-340	3.1	4.1	2.8	.7	.2	.0						11.0	7.8	7.0
VARIABLE														
CALM	////////////////////////////////////										25.1	////////////////////////////////		
TOTALS	23.8	30.3	15.5	4.0	1.1	.1						100.0	5.5	6.0
TOTAL NUMBER OF OBSERVATIONS 11515														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39			
(N) 350-010	9.3	18.1	4.0	.9	.4	.1			32.8	6.8	6.0
020-040	4.1	5.9	1.0	.3					11.2	5.9	6.0
050-070	1.9	2.0	.5	.3	.1				4.8	6.3	5.0
(E) 080-100	.8	.7	.3	.1					1.9	6.2	6.0
110-130	.8	.3							1.1	3.7	3.0
140-160	1.3	.9	.1	.1					2.4	5.2	4.0
(S) 170-190	2.2	3.4	1.5	.9					8.0	7.8	8.0
200-220	1.0	.9	.7	.1					2.6	7.1	6.5
230-250	.5	.1	.2						.8	5.3	4.0
(W) 260-280	.3	.2	.1	.1					.7	5.9	4.5
290-310	.6	.3	.2	.1	.1				1.3	6.8	5.0
320-340	3.0	2.6	.6	.2	.1				6.4	5.7	5.0
VARIABLE											
CALM	////////////////////								26.1	////////	
TOTALS	25.8	35.4	9.2	3.1	.7	.1			100.0	4.8	6.0

TOTAL NUMBER OF OBSERVATIONS 1758

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: ALL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	4.7	2.2	.4	.1	.0						11.5	6.7	6.0
020-040	2.3	2.0	.7	.1	.0	.0						5.1	5.7	5.0
050-070	1.8	1.1	.3	.0	.0	.0						3.2	4.8	4.0
(E) 080-100	1.1	.6	.1	.0		.0						1.9	4.5	4.0
110-130	1.0	.4	.1	.0	.0							1.4	4.1	3.0
140-160	2.0	1.2	.3	.0	.0							3.5	4.8	4.0
(S) 170-190	3.6	5.3	2.2	.3	.0	.0	.0					11.5	6.8	6.0
200-220	2.7	4.1	1.9	.2	.0	.0	.0					9.0	6.9	6.0
230-250	1.6	1.9	.7	.1	.0	.0						4.3	6.4	6.0
(W) 260-280	1.4	2.2	1.5	.4	.1	.0	.0					5.5	8.0	8.0
290-310	1.9	3.8	3.8	1.2	.3	.1	.0					11.2	9.5	9.0
320-340	2.7	3.4	2.4	.5	.1	.0						9.0	7.5	7.0
VARIABLE														
CALM	////////////////////											22.7	////////	
TOTALS	26.2	50.7	16.2	5.2	.6	.1						100.0	5.4	6.0

TOTAL NUMBER OF OBSERVATIONS: 139658

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		7.2	8.2	2.4	.4	.1	.0						18.4	6.1	6.0
020-040		4.1	4.3	1.2	.1	.0							9.8	5.8	5.0
050-070		3.2	2.9	.6	.1	.0	.0						6.9	5.5	5.0
(E) 080-100		1.6	1.1	.2	.0								2.9	4.8	4.0
110-130		1.3	.7	.1	.0								2.0	4.3	4.0
140-160		2.5	1.8	.4	.0	.0							4.7	5.0	4.0
(S) 170-190		4.9	7.1	2.4	.5	.1	.0	.0					14.9	6.6	6.0
200-220		3.0	3.7	1.2	.1	.0							8.0	6.2	6.0
230-250		1.1	.4	.1	.0								1.6	4.4	4.0
(W) 260-280		.4	.2	.1	.0	.0	.0						.7	5.6	4.0
290-310		.7	.4	.2	.1	.0							1.3	6.0	4.0
320-340		2.5	1.4	.4	.0	.0	.0						4.5	5.0	4.0
VARIABLE															
CALM		////////////////////////////////////										24.1	////////////////////////////////		
TOTALS		32.5	32.2	9.3	1.3	.2							100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS: 17532



PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTT	DDDDDDDD
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTT,TTT	DDDDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRRR	TT	DD DD
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	DD DD
PP	AAAAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RK	TT	DDDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

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PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-- "NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 196 METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2. FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.  
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR  
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR  
1/8 THRU 4/8.....SCATTERED  
5/8 THRU 7/8.....BROKEN  
8/8.....OVERCAST

NOTE 3 "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN  
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"  
HOWEVER, ARE INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.9	49.3	49.6	49.7	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.1	50.1	50.1
GE 20000	52.8	53.2	53.5	53.6	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.0
GE 18000	52.8	53.2	53.5	53.6	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.0
GE 16000	52.8	53.2	53.5	53.6	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.0
GE 14000	53.1	53.5	54.0	54.2	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.6	54.6	54.6
GE 12000	53.9	54.3	54.9	55.0	55.1	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.4	55.4
GE 10000	56.1	56.6	57.1	57.4	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8
GE 9000	56.9	57.5	58.2	58.5	58.6	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.9	58.9	58.9
GE 8000	60.0	60.6	61.3	61.6	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.3	62.3	62.3
GE 7000	61.1	61.7	62.4	62.7	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3
GE 6000	63.1	63.7	64.6	64.8	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5
GE 5000	65.2	66.0	67.1	67.4	67.7	67.7	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.3
GE 4500	66.4	67.3	68.3	68.6	68.9	68.9	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.5
GE 4000	68.5	69.7	70.9	71.2	71.4	71.4	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1
GE 3500	71.4	72.8	74.1	74.4	74.8	74.8	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.5	75.5	75.5
GE 3000	73.5	74.8	76.1	76.4	77.0	77.0	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.8	77.8	77.8
GE 2500	74.5	75.9	77.4	77.6	78.3	78.3	78.8	79.2	79.2	79.2	79.2	79.2	79.2	79.4	79.4	79.4
GE 2000	77.2	78.6	80.2	80.5	81.3	81.3	82.2	82.7	82.7	82.9	82.9	82.9	82.9	83.0	83.0	83.0
GE 1800	77.4	78.7	80.3	80.9	81.7	81.7	82.6	83.2	83.2	83.3	83.3	83.3	83.3	83.4	83.4	83.4
GE 1500	78.7	80.1	81.8	82.5	83.3	83.3	84.4	85.0	85.0	85.2	85.2	85.2	85.2	85.3	85.3	85.3
GE 1200	79.4	80.7	82.5	83.3	84.4	84.4	85.6	86.5	86.7	87.1	87.2	87.2	87.2	87.3	87.3	87.3
GE 1000	79.9	81.5	83.4	84.2	86.0	86.1	87.3	88.7	88.8	89.5	89.6	89.6	89.6	89.8	89.8	89.8
GE 900	80.2	81.8	83.7	84.5	86.3	86.5	87.7	89.2	89.4	90.2	90.3	90.3	90.3	90.4	90.4	90.4
GE 800	80.3	82.1	84.1	85.0	86.8	87.1	88.4	90.6	91.0	91.9	92.2	92.2	92.2	92.3	92.3	92.3
GE 700	80.3	82.1	84.2	85.2	87.1	87.7	89.1	91.4	91.9	92.9	93.1	93.1	93.1	93.3	93.3	93.4
GE 600	80.3	82.1	84.2	85.2	87.2	88.0	89.5	92.2	92.7	93.7	93.9	93.9	93.9	94.1	94.1	94.2
GE 500	80.5	82.2	84.4	85.7	88.0	88.8	90.3	93.3	93.8	95.0	95.6	95.6	95.7	95.8	96.0	96.1
GE 400	80.5	82.2	84.4	85.7	88.1	88.9	90.7	93.9	94.5	95.7	96.4	96.5	96.6	96.8	96.9	97.0
GE 300	80.5	82.2	84.4	85.7	88.1	88.9	90.7	94.3	94.9	96.1	96.8	96.9	97.3	97.4	97.7	98.1
GE 200	80.5	82.2	84.4	85.7	88.1	88.9	91.0	94.6	95.3	96.5	97.6	97.7	98.1	98.2	98.8	99.2
GE 100	80.5	82.2	84.4	85.7	88.1	88.9	91.0	94.6	95.3	96.6	97.7	97.8	98.2	98.5	99.1	99.7
GE 000	80.5	82.2	84.4	85.7	88.1	88.9	91.0	94.6	95.3	96.6	97.7	97.8	98.2	98.5	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 742

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.0	48.0	48.9	49.6	49.9	49.9	49.9	50.1	50.1	50.1	50.3	50.3	50.3	50.4	50.7	50.7
GE 20000	51.4	51.4	52.3	53.0	53.3	53.3	53.3	53.7	53.7	53.7	53.8	53.8	53.8	53.9	54.2	54.2
GE 18000	51.4	51.4	52.3	53.0	53.3	53.3	53.3	53.7	53.7	53.7	53.8	53.8	53.8	53.9	54.2	54.2
GE 16000	51.4	51.4	52.3	53.0	53.3	53.3	53.3	53.7	53.7	53.7	53.8	53.8	53.8	53.9	54.2	54.2
GE 14000	51.5	51.5	52.7	53.4	53.7	53.7	53.7	54.1	54.1	54.1	54.2	54.2	54.2	54.3	54.6	54.6
GE 12000	52.3	52.3	53.5	54.2	54.5	54.5	54.5	54.9	54.9	54.9	55.0	55.0	55.0	55.1	55.4	55.4
GE 10000	54.3	54.5	55.7	56.4	56.6	56.6	56.6	57.0	57.0	57.0	57.2	57.2	57.2	57.3	57.6	57.6
GE 9000	55.1	55.3	56.5	57.5	57.7	57.7	57.7	58.1	58.1	58.1	58.3	58.3	58.3	58.4	58.7	58.7
GE 8000	57.9	58.0	59.3	60.4	60.7	61.0	61.0	61.4	61.4	61.4	61.5	61.5	61.5	61.7	61.9	61.9
GE 7000	59.5	59.6	61.0	62.1	62.3	62.6	62.6	63.0	63.0	63.0	63.1	63.1	63.1	63.3	63.6	63.6
GE 6000	61.4	61.5	62.9	64.0	64.2	64.5	64.5	64.9	64.9	64.9	65.0	65.0	65.0	65.2	65.4	65.4
GE 5000	64.0	64.1	65.4	66.5	66.8	67.1	67.1	67.5	67.5	67.5	67.6	67.6	67.6	67.8	68.0	68.0
GE 4500	65.0	65.2	66.5	67.6	67.9	68.2	68.2	68.6	68.6	68.6	68.7	68.7	68.7	68.8	69.1	69.1
GE 4000	66.7	66.8	68.3	69.4	69.6	69.9	69.9	70.3	70.3	70.3	70.5	70.5	70.5	70.6	70.9	70.9
GE 3500	69.9	70.1	71.7	72.8	73.0	73.3	73.3	73.7	73.7	73.7	73.8	73.8	73.8	74.0	74.3	74.3
GE 3000	73.2	73.3	75.1	76.3	76.6	76.8	76.8	77.2	77.2	77.2	77.4	77.4	77.4	77.5	77.8	77.8
GE 2500	75.3	75.6	77.5	78.7	79.1	79.4	79.7	80.1	80.1	80.1	80.2	80.2	80.2	80.4	80.6	80.6
GE 2000	77.1	77.4	79.4	80.8	81.3	81.6	81.8	82.4	82.4	82.4	82.5	82.5	82.5	82.7	82.9	82.9
GE 1800	77.5	77.8	79.8	81.2	81.7	82.0	82.2	82.8	82.8	82.8	82.9	82.9	82.9	83.1	83.3	83.3
GE 1500	77.8	78.0	80.4	81.7	82.4	82.7	82.9	83.7	83.7	83.9	84.0	84.0	84.0	84.1	84.4	84.4
GE 1200	79.0	79.3	81.7	83.1	83.7	84.0	84.3	85.1	85.2	85.4	85.5	85.5	85.5	85.6	85.9	85.9
GE 1000	79.9	80.2	82.7	84.0	84.8	85.1	85.5	86.6	86.7	87.0	87.3	87.3	87.3	87.4	87.7	87.7
GE 900	79.9	80.2	82.7	84.0	84.8	85.1	86.0	87.3	87.4	87.7	87.9	87.9	87.9	88.1	88.3	88.3
GE 800	79.9	80.2	82.7	84.0	84.8	85.2	86.4	87.7	87.9	88.3	88.9	88.9	88.9	89.0	89.3	89.3
GE 700	80.4	80.6	83.1	84.6	85.4	85.8	87.0	88.3	88.6	89.0	89.6	89.6	89.7	89.8	90.1	90.1
GE 600	80.5	80.8	83.2	85.1	86.3	86.9	88.1	89.7	90.0	90.4	91.1	91.1	91.3	91.5	91.7	91.7
GE 500	80.5	80.8	83.2	85.1	86.4	87.1	88.3	90.5	90.8	91.2	91.9	91.9	92.1	92.3	92.7	92.8
GE 400	80.5	80.8	83.2	85.1	87.1	88.1	89.8	92.3	92.5	93.0	93.8	93.9	94.3	94.6	95.1	95.5
GE 300	80.5	80.9	83.3	85.2	87.3	88.2	90.0	92.8	93.1	93.5	94.3	94.6	95.3	95.5	96.2	96.6
GE 200	80.5	80.9	83.3	85.2	87.3	88.2	90.0	92.8	93.2	93.8	95.1	95.8	96.5	96.7	97.7	98.9
GE 100	80.5	80.9	83.3	85.2	87.3	88.2	90.0	93.2	93.6	94.2	95.8	96.5	97.2	97.4	98.5	100.0
GE 000	80.5	80.9	83.3	85.2	87.3	88.2	90.0	93.2	93.6	94.2	95.8	96.5	97.2	97.4	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 738

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.7	43.9	44.1	44.6	45.0	45.2	45.4	45.6	45.6	45.7	45.7	45.7	45.8	45.8	45.8	45.8
GE 20000	48.2	48.4	48.6	49.0	49.5	49.8	50.2	50.4	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 18000	48.3	48.6	48.8	49.2	49.7	49.9	50.3	50.6	50.6	50.7	50.7	50.7	50.8	50.8	50.8	50.8
GE 16000	48.3	48.6	48.8	49.2	49.7	49.9	50.3	50.6	50.6	50.7	50.7	50.7	50.8	50.8	50.8	50.8
GE 14000	48.9	49.1	49.3	49.7	50.2	50.5	50.9	51.1	51.1	51.2	51.2	51.2	51.3	51.3	51.3	51.3
GE 12000	50.7	51.0	51.2	51.6	52.1	52.3	52.8	53.0	53.0	53.1	53.1	53.1	53.2	53.2	53.2	53.2
GE 10000	53.0	53.5	54.1	54.5	55.0	55.2	55.7	55.9	55.9	56.0	56.0	56.0	56.1	56.1	56.1	56.1
GE 9000	54.3	54.8	55.4	55.8	56.3	56.6	57.0	57.2	57.2	57.3	57.3	57.3	57.4	57.4	57.4	57.4
GE 8000	57.6	58.1	58.9	59.4	59.9	60.2	60.7	60.9	60.9	61.0	61.0	61.0	61.1	61.1	61.1	61.1
GE 7000	58.7	59.2	60.1	60.6	61.0	61.4	61.9	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 6000	59.7	60.2	61.0	61.5	62.1	62.4	62.9	63.2	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.4
GE 5000	62.6	63.2	64.0	64.6	65.2	65.5	66.1	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 4500	64.3	64.9	65.9	66.5	67.1	67.4	68.1	68.5	68.6	68.7	68.7	68.7	68.8	68.8	68.8	68.8
GE 4000	66.3	66.8	68.0	68.6	69.4	69.7	70.4	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 3500	69.0	69.5	70.8	71.4	72.3	72.7	73.4	73.7	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 3000	72.4	73.0	74.3	74.9	75.9	76.3	77.0	77.5	77.7	77.9	77.9	77.9	78.0	78.0	78.0	78.0
GE 2500	74.6	75.1	76.6	77.2	78.4	79.0	79.7	80.1	80.3	80.6	80.6	80.6	80.7	80.7	80.7	80.7
GE 2000	76.6	77.3	79.0	79.9	81.3	82.0	83.0	83.7	83.9	84.2	84.3	84.3	84.4	84.4	84.4	84.4
GE 1800	76.9	77.7	79.3	80.3	81.7	82.4	83.4	84.1	84.3	84.7	84.8	84.8	84.9	84.9	84.9	84.9
GE 1500	77.8	78.6	80.4	81.5	83.4	84.2	85.4	86.1	86.4	86.8	87.0	87.0	87.0	87.0	87.0	87.0
GE 1200	78.8	79.6	81.5	82.8	85.0	85.9	87.1	88.1	88.6	89.0	89.2	89.2	89.2	89.2	89.2	89.2
GE 1000	79.0	79.8	81.7	83.0	85.6	86.6	88.1	89.4	90.0	90.6	90.9	90.9	91.0	91.0	91.0	91.0
GE 900	79.0	79.8	81.7	83.0	85.6	86.6	88.1	89.4	90.1	90.6	91.0	91.0	91.1	91.1	91.1	91.1
GE 800	79.0	79.8	81.7	83.0	85.7	86.8	88.4	89.9	90.6	91.2	91.5	91.6	91.7	91.7	91.7	91.7
GE 700	79.1	79.9	81.9	83.2	85.9	87.1	88.8	90.3	91.0	91.7	92.0	92.1	92.1	92.1	92.1	92.1
GE 600	79.1	79.9	82.1	83.4	86.2	87.4	89.2	90.9	91.6	92.2	92.8	92.8	92.9	92.9	92.9	92.9
GE 500	79.1	79.9	82.2	83.5	86.6	87.7	89.6	91.4	92.3	93.0	93.6	93.7	93.9	93.9	93.9	93.9
GE 400	79.1	79.9	82.2	83.5	86.6	87.8	90.1	92.1	93.0	93.8	94.8	94.9	95.1	95.2	95.3	95.4
GE 300	79.1	79.9	82.2	83.5	86.8	88.0	90.6	92.8	93.7	94.6	95.6	95.7	96.3	96.6	96.8	97.0
GE 200	79.1	79.9	82.2	83.6	86.8	88.1	90.7	93.0	93.9	94.9	96.1	96.2	97.0	97.4	97.7	98.1
GE 100	79.1	79.9	82.2	83.6	86.9	88.1	90.8	93.1	94.1	95.0	96.3	96.5	97.5	98.1	99.0	99.6
GE 000	79.1	79.9	82.2	83.6	86.9	88.1	90.8	93.1	94.1	95.0	96.3	96.5	97.5	98.1	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1450

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.7	46.1	46.6	47.1	47.3	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 20000	51.2	51.8	52.5	53.0	53.4	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.2
GE 18000	51.3	51.9	52.7	53.2	53.5	53.8	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.3
GE 16000	51.3	51.9	52.7	53.2	53.5	53.8	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.3
GE 14000	51.7	52.3	53.0	53.5	53.8	54.1	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6
GE 12000	53.4	54.1	54.9	55.4	55.7	56.1	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6
GE 10000	55.6	56.3	57.3	58.0	58.3	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2
GE 9000	57.0	57.8	58.8	59.5	59.9	60.3	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8
GE 8000	60.9	61.9	63.0	63.8	64.2	64.7	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3
GE 7000	61.8	62.8	64.1	64.9	65.3	65.8	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4
GE 6000	62.5	63.5	64.7	65.6	66.2	66.7	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3
GE 5000	64.6	65.6	66.8	67.7	68.3	68.9	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5
GE 4500	65.6	66.7	68.1	69.0	69.7	70.3	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0
GE 4000	68.0	69.2	70.7	71.7	72.5	73.3	73.6	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1
GE 3500	70.3	71.5	73.1	74.1	75.0	75.7	76.1	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8
GE 3000	72.6	73.9	75.5	76.6	77.6	78.4	79.0	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8
GE 2500	74.5	75.9	77.6	78.9	80.1	81.0	81.6	82.2	82.4	82.5	82.5	82.5	82.5	82.5	82.6	82.7
GE 2000	76.5	77.9	80.0	81.3	82.8	83.9	84.7	85.4	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.9
GE 1800	76.7	78.1	80.2	81.6	83.1	84.2	85.1	85.9	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.4
GE 1500	77.6	79.1	81.2	82.8	84.6	85.8	86.9	87.8	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.3
GE 1200	78.5	80.1	82.3	84.0	86.2	87.7	89.0	90.2	90.5	90.8	90.8	90.8	90.8	90.8	90.9	91.0
GE 1000	78.7	80.3	82.5	84.6	86.9	88.6	90.0	91.4	91.8	92.1	92.1	92.1	92.2	92.2	92.3	92.4
GE 900	78.7	80.3	82.6	84.7	87.0	88.6	90.1	91.5	92.0	92.4	92.4	92.4	92.5	92.5	92.6	92.7
GE 800	78.7	80.3	82.6	84.7	87.1	88.8	90.4	91.8	92.4	92.9	93.0	93.0	93.1	93.1	93.2	93.3
GE 700	78.7	80.4	82.7	84.9	87.5	89.2	90.9	92.4	93.0	93.6	93.9	94.0	94.1	94.2	94.4	94.5
GE 600	78.7	80.4	82.7	85.0	87.7	89.5	91.2	92.9	93.6	94.2	94.6	94.8	95.0	95.1	95.2	95.3
GE 500	78.7	80.5	82.7	85.0	87.8	89.6	91.4	93.2	94.0	94.7	95.2	95.3	95.7	95.8	96.0	96.1
GE 400	78.7	80.5	82.7	85.0	87.9	89.7	91.6	93.5	94.3	95.0	95.7	95.8	96.3	96.4	96.6	96.7
GE 300	78.7	80.5	82.7	85.0	87.9	89.7	91.7	94.0	94.7	95.6	96.6	96.8	97.4	97.5	97.8	97.9
GE 200	78.7	80.5	82.7	85.0	87.9	89.7	91.7	94.0	94.8	95.7	96.7	97.0	98.1	98.3	98.6	98.7
GE 100	78.7	80.5	82.7	85.0	87.9	89.7	91.7	94.0	94.8	95.8	96.8	97.2	98.4	98.8	99.1	99.7
GE 000	78.7	80.5	82.7	85.0	87.9	89.7	91.7	94.0	94.9	95.9	96.9	97.3	98.5	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1806

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.5	46.7	47.2	47.5	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 20000	53.0	53.5	54.0	54.4	54.7	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 18000	53.2	53.7	54.2	54.6	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 16000	53.2	53.7	54.2	54.6	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 14000	53.7	54.2	54.7	55.1	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 12000	55.3	55.8	56.3	56.6	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.3
GE 10000	57.8	58.5	59.0	59.4	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.2
GE 9000	58.6	59.3	59.9	60.4	60.7	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1
GE 8000	61.4	62.2	63.1	63.6	64.1	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6
GE 7000	62.9	63.8	64.8	65.2	65.8	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3
GE 6000	63.5	64.4	65.4	66.0	66.6	66.8	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.1	67.1
GE 5000	65.5	66.4	67.4	68.1	68.8	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.5
GE 4500	67.2	68.2	69.3	70.1	70.9	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.7
GE 4000	70.0	71.0	72.3	73.1	74.0	74.4	74.5	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.9
GE 3500	73.2	74.3	75.5	76.4	77.4	77.8	77.9	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.3
GE 3000	76.0	77.2	78.7	79.8	80.8	81.4	81.6	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.1	82.1
GE 2500	77.6	78.9	80.4	81.5	82.6	83.2	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9	83.9
GE 2000	79.5	80.8	82.6	83.8	84.9	85.5	85.8	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4	86.4
GE 1800	79.7	81.1	82.8	84.1	85.2	85.9	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.9
GE 1500	80.8	82.2	84.0	85.3	86.7	87.4	87.8	88.4	88.4	88.7	88.7	88.7	88.7	88.8	88.8	88.9
GE 1200	81.5	82.9	84.9	86.3	87.7	88.7	89.3	90.1	90.3	90.7	90.8	90.8	90.8	90.8	90.9	90.9
GE 1000	81.7	83.2	85.3	86.9	88.4	89.4	90.1	91.0	91.4	92.0	92.1	92.1	92.2	92.2	92.3	92.4
GE 900	81.7	83.2	85.4	87.2	88.6	89.7	90.5	91.6	92.0	92.7	92.9	92.9	93.0	93.0	93.1	93.1
GE 800	81.7	83.2	85.4	87.3	88.8	90.0	90.8	91.9	92.3	93.2	93.4	93.4	93.4	93.5	93.5	93.6
GE 700	81.8	83.3	85.5	87.4	88.9	90.2	91.0	92.2	92.7	93.7	94.0	94.1	94.1	94.2	94.2	94.3
GE 600	81.8	83.3	85.5	87.4	89.0	90.3	91.2	92.6	93.2	94.3	94.9	95.0	95.1	95.1	95.2	95.2
GE 500	81.8	83.3	85.5	87.5	89.2	90.6	91.5	93.1	93.6	94.8	95.5	95.7	95.8	95.9	96.1	96.1
GE 400	81.8	83.3	85.5	87.7	89.4	90.8	91.7	93.4	94.0	95.2	96.0	96.2	96.4	96.5	96.7	96.8
GE 300	81.8	83.3	85.5	87.7	89.4	90.8	92.0	93.9	94.7	96.0	97.0	97.3	97.6	97.7	98.0	98.1
GE 200	81.8	83.3	85.5	87.7	89.4	90.8	92.1	94.2	95.0	96.5	97.7	98.2	98.7	98.9	99.2	99.3
GE 100	81.8	83.3	85.5	87.7	89.4	90.8	92.1	94.2	95.0	96.5	97.7	98.3	99.0	99.4	99.7	99.9
GE 000	81.8	83.3	85.5	87.7	89.4	90.8	92.1	94.2	95.0	96.5	97.7	98.3	99.0	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1806

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.1	47.4	47.7	47.7	47.7	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 20000	53.8	54.2	54.5	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 18000	53.9	54.3	54.6	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 16000	53.9	54.3	54.6	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 14000	55.1	55.5	55.8	55.9	55.9	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 12000	57.1	57.5	57.9	57.9	57.9	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 10000	60.1	60.6	61.0	61.0	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 9000	61.0	61.4	61.9	62.0	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 8000	63.7	64.2	64.9	65.0	65.1	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 7000	65.1	65.5	66.3	66.6	66.7	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 6000	65.7	66.1	66.9	67.2	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 5000	67.6	68.3	69.2	69.5	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 4500	69.7	70.3	71.3	71.8	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 4000	72.5	73.1	74.2	74.8	75.2	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 3500	75.4	76.1	77.3	78.1	78.6	78.7	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 3000	78.2	78.9	80.2	81.0	81.6	81.8	81.9	82.0	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2
GE 2500	79.7	80.4	81.8	82.8	83.4	83.6	83.7	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 2000	81.5	82.4	84.1	85.4	86.2	86.5	86.7	87.0	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2
GE 1800	82.0	82.9	84.5	85.8	86.7	87.1	87.3	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 1500	82.9	83.8	85.7	87.1	88.0	88.5	88.9	89.5	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 1200	83.1	84.0	85.9	87.6	88.6	89.3	89.8	90.7	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2
GE 1000	83.4	84.2	86.2	88.1	89.3	90.0	90.5	91.7	92.1	92.4	92.6	92.7	92.8	92.8	92.8	92.8
GE 900	83.5	84.4	86.3	88.2	89.6	90.4	91.2	92.4	92.8	93.1	93.4	93.4	93.5	93.5	93.5	93.5
GE 800	83.5	84.4	86.4	88.3	89.7	90.7	91.4	92.8	93.1	93.5	93.8	93.9	93.9	93.9	93.9	93.9
GE 700	83.5	84.4	86.4	88.4	89.8	90.8	91.6	93.3	93.9	94.2	94.5	94.6	94.7	94.7	94.7	94.7
GE 600	83.6	84.5	86.6	88.6	90.1	91.2	91.9	93.8	94.4	94.7	95.1	95.2	95.4	95.4	95.4	95.4
GE 500	83.6	84.5	86.6	88.6	90.2	91.3	92.2	94.1	94.8	95.2	95.7	95.9	96.1	96.1	96.1	96.1
GE 400	83.6	84.5	86.6	88.6	90.2	91.3	92.3	94.5	95.2	95.6	96.2	96.5	96.7	96.8	96.8	96.8
GE 300	83.6	84.5	86.6	88.6	90.2	91.3	92.3	94.6	95.6	96.2	97.0	97.3	97.7	97.8	98.1	98.1
GE 200	83.6	84.5	86.6	88.6	90.2	91.3	92.4	94.9	96.0	96.7	97.6	98.0	98.5	98.6	98.9	99.1
GE 100	83.6	84.5	86.6	88.6	90.2	91.3	92.4	94.9	96.0	96.7	97.6	98.0	98.6	98.9	99.3	99.8
GE 000	83.6	84.5	86.6	88.6	90.2	91.3	92.4	94.9	96.0	96.7	97.6	98.0	98.7	99.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1809

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.2	51.5	51.7	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 20000	57.6	58.0	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 18000	57.6	58.0	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 16000	57.6	58.0	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 14000	58.2	58.6	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 12000	59.3	59.7	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 10000	62.9	63.3	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 9000	63.4	64.0	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 8000	66.2	66.8	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 7000	67.4	68.1	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 6000	68.3	69.0	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 5000	70.4	71.1	71.6	71.7	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 4500	72.3	73.1	73.6	73.7	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 4000	74.9	75.7	76.3	76.6	76.8	76.9	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 3500	76.6	77.3	78.2	78.4	78.8	78.8	78.9	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1
GE 3000	78.6	79.5	80.5	80.8	81.3	81.3	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 2500	80.4	81.4	82.4	82.8	83.5	83.6	83.7	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0
GE 2000	81.9	83.0	84.1	84.7	85.5	85.6	86.0	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4
GE 1800	82.3	83.4	84.6	85.2	86.0	86.2	86.6	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1
GE 1500	83.2	84.5	85.8	86.7	87.7	88.0	88.6	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1200	83.5	84.9	86.4	87.5	88.9	89.3	90.2	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0
GE 1000	83.7	85.1	86.6	87.8	89.7	90.1	91.0	91.9	92.2	92.4	92.6	92.6	92.6	92.6	92.6	92.6
GE 900	83.9	85.2	86.8	88.1	90.1	90.7	91.7	92.7	93.1	93.3	93.6	93.6	93.6	93.6	93.6	93.6
GE 800	84.0	85.4	87.1	88.3	90.3	90.9	92.0	93.1	93.5	93.8	94.1	94.2	94.2	94.2	94.2	94.2
GE 700	84.0	85.4	87.1	88.4	90.4	91.0	92.2	93.7	94.1	94.6	95.0	95.0	95.0	95.0	95.0	95.0
GE 600	84.1	85.6	87.3	88.6	90.8	91.5	93.0	94.5	95.1	95.5	96.0	96.1	96.1	96.1	96.1	96.1
GE 500	84.2	85.6	87.3	88.8	91.2	92.0	93.5	95.0	95.6	96.0	96.6	96.7	96.7	96.7	96.7	96.7
GE 400	84.2	85.7	87.4	88.9	91.2	92.1	93.6	95.4	96.1	96.6	97.2	97.4	97.4	97.4	97.4	97.4
GE 300	84.2	85.7	87.5	88.9	91.4	92.3	93.8	95.6	96.5	97.1	97.8	98.1	98.1	98.1	98.2	98.2
GE 200	84.2	85.7	87.5	89.0	91.5	92.4	94.0	95.9	96.8	97.5	98.6	98.9	98.9	98.9	99.0	99.1
GE 100	84.2	85.7	87.5	89.0	91.5	92.4	94.0	96.1	97.1	97.8	99.1	99.4	99.5	99.7	99.7	100.0
GE 000	84.2	85.7	87.5	89.0	91.5	92.4	94.0	96.1	97.1	97.8	99.1	99.4	99.5	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1809

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.6	51.0	51.4	51.5	51.5	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 20000	56.2	56.5	57.0	57.0	57.0	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 18000	56.2	56.5	57.0	57.1	57.1	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 16000	56.2	56.5	57.0	57.1	57.1	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 14000	57.1	57.4	57.9	57.9	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 12000	57.9	58.2	58.7	58.8	58.8	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 10000	60.5	60.9	61.4	61.5	61.5	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 9000	61.1	61.6	62.0	62.1	62.1	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 8000	63.7	64.2	64.7	64.7	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 7000	65.2	65.7	66.2	66.3	66.3	66.3	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 6000	65.9	66.4	66.9	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 5000	68.2	68.7	69.2	69.3	69.3	69.3	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 4500	70.3	70.9	71.4	71.5	71.5	71.6	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 4000	73.0	73.6	74.1	74.2	74.2	74.3	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 3500	74.7	75.3	76.0	76.1	76.1	76.2	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 3000	77.1	77.8	78.8	78.8	79.0	79.2	79.3	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 2500	79.0	79.6	80.7	80.9	81.1	81.3	81.5	81.5	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8
GE 2000	81.2	81.9	83.4	83.6	84.1	84.4	84.6	84.9	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1
GE 1800	81.8	82.6	84.2	84.5	85.0	85.3	85.5	85.8	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1
GE 1500	82.5	83.4	85.2	85.6	86.4	86.7	87.0	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 1200	83.4	84.3	86.1	86.8	88.0	88.5	89.0	89.7	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.1
GE 1000	83.6	84.6	86.6	87.6	89.1	89.8	90.4	91.3	91.7	91.8	92.1	92.1	92.1	92.1	92.1	92.1
GE 900	83.8	84.7	86.8	87.7	89.3	90.0	90.7	91.6	92.2	92.3	92.6	92.6	92.6	92.6	92.6	92.6
GE 800	83.8	84.8	87.1	88.1	89.8	90.5	91.3	92.2	92.8	93.1	93.5	93.6	93.6	93.6	93.6	93.6
GE 700	83.8	84.9	87.3	88.4	90.1	90.8	91.6	92.6	93.3	93.7	94.3	94.4	94.4	94.4	94.4	94.4
GE 600	83.8	84.9	87.3	88.5	90.3	91.1	92.0	93.1	93.8	94.2	95.0	95.1	95.3	95.3	95.3	95.3
GE 500	83.8	85.0	87.4	88.5	90.5	91.3	92.2	93.3	94.0	94.4	95.3	95.5	95.8	95.8	95.8	95.8
GE 400	83.9	85.0	87.4	88.7	90.6	91.5	92.5	93.7	94.6	95.1	96.0	96.2	96.6	96.6	96.6	96.6
GE 300	83.9	85.1	87.5	88.7	90.7	91.7	92.6	93.9	95.2	96.0	96.9	97.2	97.7	97.7	97.8	97.8
GE 200	83.9	85.1	87.5	88.7	90.7	91.7	92.9	94.4	95.8	96.7	97.7	98.0	98.6	98.6	98.7	98.9
GE 100	83.9	85.1	87.5	88.7	90.7	91.7	92.9	94.5	96.1	97.1	98.2	98.5	99.1	99.1	99.3	99.9
GE 000	83.9	85.1	87.5	88.7	90.7	91.7	92.9	94.5	96.1	97.1	98.2	98.5	99.1	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1631

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.7	48.0	48.3	48.6	48.7	48.8	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 20000	53.3	53.7	54.1	54.4	54.6	54.7	54.8	54.9	54.9	54.9	54.9	54.9	54.9	55.0	55.0	55.0
GE 18000	53.4	53.8	54.2	54.5	54.7	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.1	55.1	55.1
GE 16000	53.4	53.8	54.2	54.5	54.7	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.1	55.1	55.1
GE 14000	54.0	54.4	54.9	55.1	55.3	55.4	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 12000	55.4	55.8	56.3	56.6	56.8	56.9	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 10000	58.1	58.6	59.2	59.5	59.7	59.8	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 9000	59.0	59.5	60.1	60.5	60.7	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2
GE 8000	62.0	62.6	63.3	63.7	64.0	64.2	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
GE 7000	63.2	63.9	64.7	65.1	65.4	65.6	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0
GE 6000	64.1	64.8	65.6	66.0	66.4	66.6	66.7	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9
GE 5000	66.3	67.1	67.9	68.4	68.8	69.0	69.2	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4
GE 4500	68.0	68.8	69.7	70.2	70.7	70.9	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4
GE 4000	70.5	71.3	72.3	72.9	73.4	73.7	73.9	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2
GE 3500	73.0	73.8	75.0	75.6	76.2	76.5	76.7	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.1	77.1
GE 3000	75.6	76.5	77.8	78.5	79.2	79.5	79.8	80.1	80.2	80.2	80.2	80.2	80.2	80.3	80.3	80.3
GE 2500	77.4	78.3	79.7	80.5	81.3	81.7	82.0	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.6
GE 2000	79.3	80.3	82.0	82.9	83.9	84.3	84.8	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.6	85.6
GE 1800	79.7	80.7	82.4	83.3	84.3	84.8	85.3	85.9	85.9	86.0	86.1	86.1	86.1	86.1	86.2	86.2
GE 1500	80.5	81.6	83.5	84.6	85.8	86.4	87.0	87.7	87.8	88.0	88.0	88.0	88.0	88.1	88.1	88.1
GE 1200	81.2	82.4	84.3	85.6	87.0	87.8	88.6	89.5	89.7	89.9	90.0	90.0	90.1	90.1	90.1	90.1
GE 1000	81.5	82.7	84.7	86.1	87.9	88.7	89.6	90.7	91.1	91.5	91.7	91.7	91.7	91.7	91.8	91.8
GE 900	81.6	82.8	84.8	86.3	88.1	89.0	90.0	91.2	91.6	92.0	92.3	92.3	92.3	92.3	92.4	92.4
GE 800	81.6	82.8	84.9	86.4	88.3	89.2	90.4	91.7	92.1	92.6	92.9	93.0	93.0	93.0	93.1	93.1
GE 700	81.7	82.9	85.0	86.6	88.5	89.5	90.7	92.2	92.7	93.3	93.7	93.7	93.8	93.8	93.9	93.9
GE 600	81.7	83.0	85.1	86.8	88.8	89.9	91.1	92.8	93.4	94.0	94.5	94.6	94.7	94.8	94.8	94.9
GE 500	81.8	83.0	85.2	86.9	89.1	90.2	91.5	93.2	93.9	94.5	95.2	95.3	95.5	95.6	95.6	95.7
GE 400	81.8	83.0	85.2	86.9	89.2	90.3	91.8	93.7	94.4	95.1	95.9	96.1	96.3	96.4	96.5	96.6
GE 300	81.8	83.0	85.2	87.0	89.2	90.4	92.0	94.1	95.0	95.8	96.7	96.9	97.4	97.5	97.7	97.8
GE 200	81.8	83.0	85.2	87.0	89.3	90.5	92.1	94.4	95.3	96.2	97.3	97.6	98.2	98.4	98.7	98.9
GE 100	81.8	83.0	85.2	87.0	89.3	90.5	92.1	94.4	95.4	96.4	97.5	97.9	98.6	98.9	99.3	99.8
GE 000	81.8	83.0	85.2	87.0	89.3	90.5	92.1	94.4	95.4	96.4	97.6	97.9	98.6	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 11791



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: FEB HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.0	47.3	47.6	47.6	47.6	47.8	47.8	48.3	48.3	48.3	48.3	48.3	48.5	48.5	48.5	48.5
GE 20000	49.4	49.9	50.2	50.2	50.2	50.4	50.4	50.9	50.9	50.9	50.9	50.9	51.1	51.1	51.1	51.1
GE 18000	49.4	49.9	50.2	50.2	50.2	50.4	50.4	50.9	50.9	50.9	50.9	50.9	51.1	51.1	51.1	51.1
GE 16000	49.4	49.9	50.2	50.2	50.2	50.4	50.4	50.9	50.9	50.9	50.9	50.9	51.1	51.1	51.1	51.1
GE 14000	50.4	50.9	51.2	51.2	51.2	51.4	51.4	51.9	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.0
GE 12000	50.4	50.9	51.2	51.2	51.2	51.4	51.4	51.9	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.0
GE 10000	52.4	52.9	53.2	53.2	53.2	53.3	53.3	53.8	53.8	53.8	53.8	53.8	54.0	54.0	54.0	54.0
GE 9000	53.7	54.2	54.5	54.5	54.5	54.6	54.6	55.1	55.1	55.1	55.1	55.1	55.3	55.3	55.3	55.3
GE 8000	56.4	57.1	57.6	57.6	57.6	57.7	57.7	58.2	58.2	58.2	58.2	58.2	58.4	58.4	58.4	58.4
GE 7000	57.7	58.4	59.2	59.2	59.2	59.4	59.4	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.0
GE 6000	59.2	59.9	60.7	60.8	60.8	61.0	61.0	61.5	61.5	61.5	61.5	61.5	61.7	61.7	61.7	61.7
GE 5000	63.1	63.8	64.6	64.8	64.8	64.9	64.9	65.4	65.4	65.6	65.6	65.6	65.7	65.7	65.7	65.7
GE 4500	64.1	64.8	65.6	65.7	65.7	65.9	65.9	66.4	66.4	66.6	66.6	66.6	66.7	66.7	66.7	66.7
GE 4000	67.7	68.4	69.2	69.3	69.3	69.5	69.5	70.0	70.0	70.1	70.1	70.1	70.3	70.3	70.3	70.3
GE 3500	70.5	71.1	72.3	72.6	72.6	72.9	72.9	73.4	73.4	73.6	73.6	73.6	73.7	73.7	73.7	73.7
GE 3000	73.1	74.1	75.4	76.0	76.5	76.8	77.2	77.7	77.7	77.8	77.8	77.8	78.0	78.0	78.0	78.0
GE 2500	74.7	75.9	77.2	77.8	78.3	78.6	79.0	79.4	79.4	79.6	79.6	79.6	79.8	79.8	79.8	79.8
GE 2000	77.7	78.8	80.4	82.1	82.5	83.0	83.5	84.0	84.0	84.2	84.2	84.2	84.3	84.3	84.3	84.3
GE 1800	78.0	79.1	80.8	82.4	82.9	83.4	83.8	84.3	84.3	84.5	84.5	84.5	84.7	84.7	84.7	84.7
GE 1500	78.8	79.9	81.9	83.7	84.5	85.0	85.5	86.0	86.0	86.1	86.1	86.1	86.3	86.3	86.3	86.3
GE 1200	79.1	80.8	82.7	84.8	85.6	86.1	86.6	87.3	87.8	87.9	87.9	87.9	88.1	88.1	88.1	88.1
GE 1000	79.3	80.9	82.9	85.0	86.0	86.5	87.6	88.3	88.9	89.1	89.2	89.2	89.4	89.4	89.4	89.4
GE 900	79.3	80.9	82.9	85.2	86.1	86.6	87.8	88.6	89.4	89.6	89.7	89.7	89.9	89.9	89.9	89.9
GE 800	79.6	81.2	83.2	85.6	86.8	87.3	88.6	89.6	90.4	90.7	90.9	90.9	91.0	91.0	91.0	91.0
GE 700	79.6	81.2	83.2	85.8	87.1	87.6	88.9	89.9	91.0	91.7	91.8	91.8	92.0	92.0	92.0	92.0
GE 600	79.6	81.2	83.2	85.8	87.1	87.6	88.9	90.2	91.4	92.0	92.2	92.2	92.3	92.3	92.3	92.3
GE 500	79.9	81.6	83.5	86.5	87.9	88.6	90.0	91.5	92.8	93.5	93.6	93.8	94.3	94.3	94.3	94.3
GE 400	79.9	81.6	83.5	86.5	88.3	88.9	90.5	92.2	93.5	94.3	94.6	94.8	95.4	95.4	95.9	95.9
GE 300	79.9	81.6	83.5	86.5	88.3	88.9	90.7	92.3	93.6	94.6	95.3	95.4	96.2	96.2	96.7	96.7
GE 200	79.9	81.6	83.5	86.8	88.6	89.2	91.0	92.8	94.1	95.1	96.1	96.2	97.2	97.2	97.7	98.5
GE 100	79.9	81.6	83.5	86.8	88.6	89.2	91.0	92.8	94.1	95.1	96.1	96.2	97.4	97.4	97.9	99.8
GE 000	79.9	81.6	83.5	86.8	88.6	89.2	91.0	92.8	94.1	95.1	96.1	96.2	97.4	97.4	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 613

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: FEB HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.7	44.9	45.5	45.8	46.0	46.0	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.5	46.7	46.7
GE 20000	47.5	47.6	48.3	48.6	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	49.3	49.4	49.4
GE 18000	47.5	47.6	48.3	48.6	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	49.3	49.4	49.4
GE 16000	47.5	47.6	48.3	48.6	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	49.3	49.4	49.4
GE 14000	48.0	48.1	48.8	49.1	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.8	49.9	49.9
GE 12000	48.1	48.3	48.9	49.3	49.4	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.9	50.1	50.1
GE 10000	50.1	50.2	50.9	51.2	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.9	52.0	52.0
GE 9000	51.1	51.2	51.9	52.2	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.9	53.0	53.0
GE 8000	53.5	53.7	54.6	55.1	55.3	55.3	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.8	56.0	56.0
GE 7000	55.1	55.3	56.3	56.8	56.9	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.4	57.6	57.6
GE 6000	56.8	56.9	57.9	58.4	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	59.1	59.2	59.2
GE 5000	60.0	60.2	61.2	61.7	61.8	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.3	62.5	62.5
GE 4500	61.0	61.2	62.2	62.6	62.8	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.3	63.5	63.5
GE 4000	63.8	63.9	64.9	65.4	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	66.1	66.2	66.2
GE 3500	67.2	67.4	68.7	69.2	69.3	69.3	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.8	70.0	70.0
GE 3000	70.1	70.5	71.8	73.1	74.2	74.2	74.2	74.4	74.4	74.4	74.4	74.6	74.6	74.9	75.0	75.0
GE 2500	72.8	73.2	74.6	75.9	77.2	77.5	77.5	77.7	77.7	77.7	77.8	77.8	77.8	78.1	78.3	78.3
GE 2000	76.0	76.5	77.8	79.3	80.6	81.1	81.4	81.9	81.9	82.1	82.2	82.2	82.2	82.5	82.7	82.7
GE 1800	76.2	76.7	78.0	79.4	80.8	81.2	81.6	82.1	82.1	82.2	82.4	82.4	82.4	82.7	82.9	82.9
GE 1500	76.7	77.3	79.1	80.8	82.1	82.7	83.0	83.5	83.7	83.8	84.0	84.0	84.0	84.3	84.5	84.5
GE 1200	77.3	78.1	80.3	82.2	83.8	85.0	85.3	85.8	86.1	86.3	86.5	86.5	86.5	86.8	86.9	86.9
GE 1000	77.7	78.6	80.8	82.7	84.5	85.8	86.1	86.6	87.1	87.4	87.6	87.6	87.6	87.9	88.1	88.1
GE 900	77.8	78.8	80.9	82.9	84.7	86.0	86.5	87.1	87.6	88.3	88.4	88.4	88.4	88.7	88.9	88.9
GE 800	77.8	79.0	81.1	83.2	85.0	86.3	87.6	88.4	88.9	89.6	89.9	89.9	89.9	90.2	90.4	90.4
GE 700	78.0	79.4	81.6	83.8	85.6	86.9	88.3	89.2	89.7	90.4	90.9	90.9	90.9	91.2	91.4	91.4
GE 600	78.1	79.8	82.1	84.7	86.9	88.3	89.7	90.9	91.4	92.5	93.0	93.0	93.0	93.3	93.5	93.5
GE 500	78.1	79.8	82.2	85.0	87.4	88.9	90.5	91.7	92.3	93.5	94.3	94.3	94.5	94.8	94.9	94.9
GE 400	78.3	79.9	82.4	85.2	87.8	89.4	91.0	92.3	93.1	94.5	95.6	95.6	95.9	96.2	96.4	96.4
GE 300	78.3	79.9	82.4	85.2	87.8	89.4	91.0	92.7	93.5	94.8	96.6	96.6	96.9	97.2	97.6	97.6
GE 200	78.3	79.9	82.4	85.2	87.8	89.4	91.0	92.7	93.5	94.9	96.7	96.7	97.2	97.7	98.4	98.5
GE 100	78.3	79.9	82.4	85.2	87.8	89.4	91.0	92.7	93.5	94.9	97.1	97.1	97.6	98.0	98.9	99.8
GE 000	78.3	79.9	82.4	85.2	87.8	89.4	91.0	92.7	93.5	94.9	97.1	97.1	97.6	98.0	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 613

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.2	45.6	45.9	46.1	46.5	46.5	46.6	46.6	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.9
GE 20000	50.3	50.8	51.2	51.5	52.1	52.1	52.3	52.3	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.7
GE 18000	50.5	51.0	51.5	51.7	52.3	52.4	52.5	52.5	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.9
GE 16000	50.5	51.0	51.5	51.7	52.3	52.4	52.5	52.5	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.9
GE 14000	51.0	51.5	52.0	52.2	52.8	52.9	53.0	53.0	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.4
GE 12000	52.4	52.9	53.5	53.7	54.5	54.5	54.7	54.7	54.8	54.8	54.9	54.9	54.9	54.9	54.9	55.1
GE 10000	55.3	55.8	56.4	56.6	57.4	57.5	57.6	57.6	57.7	57.8	57.9	57.9	57.9	57.9	57.9	58.0
GE 9000	56.6	57.1	57.7	58.1	58.8	58.9	59.1	59.1	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.4
GE 8000	59.0	59.5	60.1	60.6	61.5	61.5	61.7	61.7	61.8	61.8	61.9	61.9	61.9	61.9	61.9	62.1
GE 7000	60.4	60.9	61.5	62.1	63.0	63.1	63.3	63.3	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.6
GE 6000	61.5	62.1	62.7	63.3	64.2	64.4	64.5	64.5	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.9
GE 5000	64.2	64.8	65.4	66.1	67.1	67.2	67.4	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.8
GE 4500	65.6	66.3	66.9	67.5	68.6	68.8	69.0	69.0	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.4
GE 4000	67.4	68.1	68.7	69.5	70.5	70.8	70.9	71.0	71.1	71.2	71.3	71.3	71.3	71.3	71.4	71.5
GE 3500	69.5	70.2	70.8	71.8	72.8	73.0	73.2	73.3	73.5	73.6	73.6	73.6	73.6	73.6	73.8	74.0
GE 3000	72.3	73.3	74.0	75.2	76.4	76.6	76.8	76.9	77.2	77.2	77.3	77.3	77.3	77.3	77.5	77.7
GE 2500	73.7	74.7	75.5	76.7	77.9	78.3	78.5	78.7	79.0	79.0	79.1	79.1	79.1	79.1	79.3	79.5
GE 2000	76.1	77.1	78.0	79.4	80.8	81.1	81.4	81.8	82.0	82.1	82.2	82.2	82.2	82.2	82.3	82.6
GE 1800	76.3	77.2	78.1	79.6	81.0	81.4	81.7	82.1	82.4	82.5	82.6	82.6	82.6	82.6	82.7	82.9
GE 1500	77.7	78.7	79.9	81.4	83.0	83.8	84.3	84.9	85.2	85.3	85.5	85.5	85.6	85.6	85.7	86.0
GE 1200	78.4	79.6	80.9	82.5	84.4	85.3	85.8	86.9	87.2	87.5	87.7	87.7	87.8	87.8	88.0	88.2
GE 1000	78.6	79.9	81.2	82.9	84.9	86.0	86.7	88.0	88.5	88.9	89.3	89.3	89.4	89.4	89.6	89.8
GE 900	79.0	80.3	81.7	83.6	86.0	87.2	87.8	89.1	89.7	90.1	90.5	90.5	90.7	90.7	90.8	91.1
GE 800	79.2	80.5	81.9	83.9	86.5	87.9	89.0	90.3	90.9	91.3	91.9	91.9	92.0	92.0	92.2	92.4
GE 700	79.2	80.5	82.0	84.2	86.9	88.3	89.3	90.8	91.5	92.2	92.9	93.0	93.2	93.2	93.3	93.5
GE 600	79.2	80.6	82.1	84.4	87.0	88.7	89.8	91.2	92.0	92.7	93.5	93.6	93.8	93.8	93.9	94.2
GE 500	79.3	80.7	82.2	84.5	87.2	89.2	90.3	91.8	92.7	93.5	94.2	94.4	94.6	94.6	94.7	95.0
GE 400	79.3	80.7	82.3	84.7	87.4	89.5	90.7	92.4	93.4	94.2	95.0	95.2	95.5	95.6	95.7	96.0
GE 300	79.3	80.7	82.3	84.7	87.5	89.6	90.8	92.6	93.8	95.0	95.9	96.1	96.4	96.5	96.7	97.1
GE 200	79.3	80.7	82.3	84.7	87.5	89.7	91.0	92.9	94.0	95.3	96.5	96.7	97.4	97.5	97.8	98.6
GE 100	79.3	80.7	82.3	84.7	87.5	89.7	91.1	93.0	94.1	95.4	96.7	96.8	97.6	97.9	98.3	99.8
GE 000	79.3	80.7	82.3	84.7	87.5	89.7	91.1	93.0	94.1	95.4	96.7	96.8	97.6	97.9	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1331

OPERATING LOCATION "A"  
JSAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.1	46.5	46.8	47.1	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 20000	53.4	53.8	54.4	54.9	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4
GE 18000	53.5	53.9	54.5	55.0	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5
GE 16000	53.5	53.9	54.5	55.0	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5
GE 14000	54.6	55.1	55.6	56.1	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6
GE 12000	56.2	56.7	57.3	57.8	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4
GE 10000	59.2	59.7	60.3	60.9	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4
GE 9000	59.9	60.4	61.0	61.6	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.1
GE 8000	62.4	63.1	63.8	64.5	64.9	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 7000	63.9	64.7	65.4	66.3	66.7	66.8	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 6000	64.9	65.7	66.4	67.3	67.7	67.8	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1
GE 5000	67.0	67.9	68.7	69.6	70.1	70.2	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 4500	68.3	69.2	70.0	71.0	71.5	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0
GE 4000	70.7	71.6	72.5	73.5	74.1	74.2	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 3500	72.9	73.8	74.7	75.8	76.4	76.6	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 3000	75.4	76.4	77.4	78.8	79.6	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1
GE 2500	76.9	78.0	79.1	80.5	81.4	81.6	81.8	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2
GE 2000	78.0	79.4	80.7	82.3	83.3	83.8	84.1	84.4	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7
GE 1800	78.2	79.6	80.9	82.5	83.6	84.1	84.4	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.1
GE 1500	79.3	80.8	82.2	84.1	85.1	85.7	86.3	86.7	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.2
GE 1200	80.9	82.4	84.2	86.1	87.5	88.5	89.1	89.9	90.3	90.5	90.6	90.6	90.6	90.6	90.6	90.6
GE 1000	81.1	82.7	84.7	86.7	88.3	89.4	90.3	91.4	91.8	91.9	92.1	92.1	92.1	92.1	92.1	92.1
GE 900	81.2	82.9	85.4	87.5	89.1	90.2	91.2	92.3	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.1
GE 800	81.2	83.0	85.4	87.6	89.3	90.4	91.5	92.6	93.0	93.3	93.5	93.5	93.5	93.5	93.5	93.5
GE 700	81.3	83.1	85.6	88.0	89.7	90.8	91.9	93.1	93.5	93.8	94.0	94.1	94.1	94.1	94.1	94.1
GE 600	81.3	83.2	85.8	88.2	89.9	91.0	92.1	93.3	93.7	94.2	94.5	94.7	94.9	94.9	94.9	95.0
GE 500	81.4	83.3	86.0	88.4	90.3	91.6	93.0	94.1	94.7	95.1	95.5	95.8	96.0	96.0	96.0	96.0
GE 400	81.4	83.3	86.0	88.6	90.6	92.1	93.6	94.9	95.5	96.0	96.3	96.6	96.8	96.8	96.8	96.9
GE 300	81.4	83.3	86.0	88.6	90.6	92.1	93.7	95.1	95.9	96.5	97.0	97.5	97.7	98.0	98.0	98.0
GE 200	81.4	83.3	86.0	88.6	90.6	92.2	94.0	95.4	96.3	96.9	97.4	97.9	98.1	98.5	98.8	98.9
GE 100	81.4	83.3	86.0	88.6	90.6	92.2	94.0	95.4	96.3	96.9	97.5	97.9	98.3	98.8	99.2	99.6
GE 000	81.4	83.3	86.0	88.6	90.6	92.2	94.0	95.4	96.3	96.9	97.5	97.9	98.3	98.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1689

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.7	45.1	45.2	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 20000	53.3	53.7	54.1	54.2	54.2	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 18000	53.4	53.8	54.1	54.2	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 16000	53.5	53.9	54.2	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 14000	54.1	54.4	54.8	54.9	54.9	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 12000	56.0	56.4	56.8	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 10000	58.7	59.1	59.5	59.7	59.7	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 9000	59.9	60.4	60.7	60.9	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 8000	62.8	63.3	63.6	63.8	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 7000	64.1	64.6	64.9	65.1	65.4	65.5	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 6000	65.4	65.9	66.4	66.6	66.8	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 5000	67.4	67.9	68.4	68.7	68.9	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 4500	68.3	68.8	69.3	69.6	69.8	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 4000	71.4	72.1	72.5	72.9	73.2	73.5	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 3500	75.1	75.8	76.4	76.8	77.1	77.4	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 3000	77.7	78.4	79.0	79.5	79.8	80.1	80.3	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6
GE 2500	80.3	81.1	81.7	82.2	82.7	83.1	83.4	83.5	83.5	83.5	83.6	83.6	83.6	83.7	83.7	83.7
GE 2000	82.4	83.2	84.1	84.7	85.2	85.7	86.0	86.1	86.1	86.3	86.4	86.4	86.4	86.5	86.5	86.5
GE 1800	82.7	83.5	84.4	85.0	85.5	86.0	86.3	86.4	86.4	86.6	86.7	86.7	86.7	86.8	86.8	86.8
GE 1500	84.2	85.2	86.0	86.6	87.3	87.8	88.3	88.6	88.8	88.9	89.0	89.0	89.0	89.1	89.1	89.1
GE 1200	85.0	86.0	87.0	87.6	88.5	89.2	89.9	90.3	90.5	90.7	90.8	90.8	90.9	90.9	90.9	90.9
GE 1000	85.3	86.5	87.6	88.3	89.5	90.3	91.1	91.8	92.0	92.2	92.5	92.5	92.6	92.7	92.7	92.7
GE 900	85.4	86.7	87.8	88.9	90.1	90.9	91.9	92.6	92.8	93.0	93.3	93.3	93.4	93.4	93.4	93.4
GE 800	85.4	86.7	87.9	89.0	90.2	91.1	92.2	93.1	93.3	93.5	93.8	93.8	94.0	94.0	94.0	94.0
GE 700	85.5	86.9	88.1	89.2	90.5	91.6	92.8	93.7	94.0	94.2	94.5	94.5	94.7	94.8	94.8	94.8
GE 600	85.5	86.9	88.1	89.3	90.6	91.8	93.0	94.0	94.2	94.6	94.9	94.9	95.1	95.2	95.2	95.2
GE 500	85.5	87.0	88.3	89.5	91.0	92.3	93.6	94.7	94.9	95.3	95.7	95.7	95.9	96.0	96.0	96.0
GE 400	85.5	87.0	88.3	89.5	91.0	92.5	94.1	95.3	95.6	96.0	96.4	96.5	96.9	97.1	97.1	97.1
GE 300	85.5	87.0	88.3	89.6	91.2	93.0	94.6	95.9	96.4	97.0	97.7	97.9	98.4	98.8	98.9	98.9
GE 200	85.5	87.0	88.3	89.6	91.2	93.0	94.6	96.0	96.6	97.3	97.9	98.1	98.8	99.2	99.3	99.5
GE 100	85.5	87.0	88.3	89.6	91.2	93.0	94.6	96.0	96.6	97.3	98.0	98.2	98.9	99.3	99.5	99.8
GE 000	85.5	87.0	88.3	89.6	91.2	93.0	94.6	96.0	96.6	97.3	98.0	98.2	98.9	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1689

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.4	46.5	46.6	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 20000	55.5	55.7	55.8	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 18000	55.5	55.7	55.8	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 16000	55.6	55.8	55.8	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 14000	56.1	56.2	56.3	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 12000	58.6	58.7	58.8	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 10000	61.0	61.2	61.3	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 9000	62.2	62.4	62.5	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 8000	65.2	65.6	65.7	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 7000	66.5	66.8	67.0	67.2	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 6000	67.7	68.1	68.3	68.4	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 5000	70.6	70.9	71.1	71.3	71.5	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 4500	71.6	71.9	72.2	72.4	72.6	72.6	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 4000	75.0	75.4	75.6	75.8	76.2	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 3500	77.6	77.9	78.2	78.4	78.7	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 3000	80.3	80.7	81.0	81.2	81.8	81.8	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 2500	82.3	82.7	83.1	83.4	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 2000	83.8	84.3	84.8	85.3	85.9	86.1	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5	86.5
GE 1800	84.0	84.4	85.1	85.6	86.3	86.5	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 1500	84.9	85.4	86.2	86.7	87.6	87.9	88.0	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.5	88.5
GE 1200	86.0	86.8	87.7	88.4	89.7	90.4	91.0	91.4	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7
GE 1000	86.3	87.3	88.3	89.2	90.5	91.4	92.1	92.8	92.9	93.0	93.0	93.1	93.2	93.3	93.3	93.3
GE 900	86.4	87.4	88.4	89.5	90.8	91.8	92.5	93.4	93.5	93.7	93.7	93.7	93.8	93.9	94.0	94.0
GE 800	86.4	87.4	88.4	89.5	91.0	91.9	92.8	93.8	94.1	94.2	94.2	94.3	94.4	94.5	94.6	94.6
GE 700	86.4	87.4	88.5	89.6	91.4	92.4	93.2	94.6	94.8	95.0	95.1	95.2	95.3	95.4	95.4	95.4
GE 600	86.4	87.4	88.5	89.6	91.5	92.5	93.5	95.0	95.3	95.9	96.0	96.2	96.3	96.4	96.4	96.4
GE 500	86.4	87.4	88.5	89.9	91.9	93.0	93.9	95.5	95.9	96.4	96.7	96.9	97.2	97.3	97.3	97.3
GE 400	86.4	87.4	88.5	89.9	92.0	93.2	94.3	96.1	96.6	97.2	97.6	97.8	98.0	98.2	98.2	98.2
GE 300	86.4	87.4	88.5	89.9	92.0	93.2	94.4	96.3	97.0	97.6	98.0	98.2	98.6	98.7	98.8	98.9
GE 200	86.4	87.4	88.5	89.9	92.0	93.2	94.4	96.4	97.2	97.8	98.2	98.5	98.9	99.1	99.3	99.5
GE 100	86.4	87.4	88.5	89.9	92.0	93.2	94.4	96.4	97.2	97.8	98.2	98.6	99.1	99.4	99.7	99.9
GE 000	86.4	87.4	88.5	89.9	92.0	93.2	94.4	96.4	97.2	97.8	98.2	98.6	99.1	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1689

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.9	52.1	52.2	52.3	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 20000	57.7	57.8	58.0	58.0	58.2	58.2	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 18000	57.8	58.0	58.1	58.2	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6
GE 16000	58.0	58.1	58.2	58.3	58.5	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 14000	58.6	58.8	58.9	59.0	59.1	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4
GE 12000	61.0	61.3	61.4	61.4	61.6	61.6	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9
GE 10000	63.4	63.7	63.8	63.9	64.0	64.0	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3
GE 9000	64.7	65.1	65.2	65.2	65.4	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 8000	67.2	67.5	67.7	67.7	67.9	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 7000	68.2	68.6	68.7	68.8	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.2
GE 6000	69.2	69.7	69.8	69.9	70.1	70.1	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 5000	72.1	72.6	72.7	72.8	73.0	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 4500	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7
GE 4000	75.3	75.8	76.2	76.2	76.5	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9
GE 3500	77.3	77.8	78.1	78.2	78.5	78.5	78.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.9	78.9
GE 3000	80.0	80.5	81.0	81.0	81.6	81.6	81.6	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.1
GE 2500	82.0	82.7	83.1	83.3	84.0	84.0	84.2	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
GE 2000	83.4	84.2	84.9	85.0	85.7	85.8	86.3	86.8	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0
GE 1800	83.6	84.4	85.1	85.3	85.9	86.0	86.7	87.1	87.2	87.2	87.2	87.2	87.3	87.3	87.4	87.4
GE 1500	84.5	85.5	86.3	86.6	87.4	87.6	88.4	88.9	89.0	89.0	89.0	89.0	89.1	89.1	89.2	89.2
GE 1200	85.3	86.4	87.3	87.9	88.8	89.1	90.1	90.8	90.9	90.9	90.9	90.9	91.0	91.0	91.1	91.1
GE 1000	86.0	87.3	88.4	89.2	90.2	90.6	91.8	92.6	92.9	92.9	92.9	92.9	93.0	93.0	93.1	93.1
GE 900	86.3	87.6	88.6	89.5	90.5	91.0	92.2	93.1	93.4	93.4	93.4	93.4	93.5	93.6	93.6	93.6
GE 800	86.4	87.8	89.1	90.1	91.2	91.7	93.0	94.1	94.5	94.5	94.5	94.6	94.6	94.7	94.7	94.7
GE 700	86.6	88.1	89.4	90.5	91.8	92.3	93.6	94.9	95.3	95.4	95.4	95.5	95.6	95.7	95.8	95.8
GE 600	86.6	88.1	89.5	90.8	92.2	92.7	94.1	95.5	96.0	96.2	96.3	96.3	96.4	96.6	96.6	96.6
GE 500	86.6	88.1	89.5	90.8	92.3	92.7	94.2	96.1	96.6	96.7	97.0	97.1	97.2	97.3	97.4	97.4
GE 400	86.6	88.2	89.6	90.9	92.4	92.9	94.4	96.5	97.0	97.3	97.6	97.7	97.8	97.9	98.0	98.0
GE 300	86.6	88.2	89.7	91.0	92.5	93.1	94.6	96.8	97.5	97.9	98.2	98.4	98.5	98.7	98.8	98.8
GE 200	86.6	88.2	89.7	91.0	92.5	93.1	94.6	96.9	97.6	98.0	98.5	98.7	98.9	99.2	99.3	99.3
GE 100	86.6	88.2	89.7	91.1	92.5	93.1	94.7	96.9	97.7	98.1	98.6	98.8	99.0	99.3	99.5	99.9
GE 000	86.6	88.2	89.7	91.1	92.5	93.1	94.7	96.9	97.7	98.1	98.6	98.8	99.0	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1691

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.9	51.3	51.3	51.3	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.7	51.7	51.7	51.7
GE 20000	55.0	55.4	55.4	55.4	55.6	55.6	55.7	55.8	55.8	55.8	55.9	55.9	56.0	56.0	56.0	56.0
GE 18000	55.2	55.5	55.5	55.5	55.7	55.8	55.8	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1
GE 16000	55.2	55.6	55.6	55.6	55.8	55.8	55.9	56.0	56.0	56.0	56.1	56.1	56.2	56.2	56.2	56.2
GE 14000	55.8	56.1	56.1	56.1	56.3	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7
GE 12000	57.4	57.8	57.8	57.8	58.0	58.1	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4
GE 10000	59.3	59.6	59.7	59.7	59.9	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3
GE 9000	60.0	60.4	60.4	60.4	60.6	60.7	60.8	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0
GE 8000	63.9	64.3	64.3	64.4	64.6	64.7	64.7	64.9	64.9	64.9	64.9	64.9	65.0	65.0	65.0	65.0
GE 7000	65.1	65.5	65.5	65.6	65.8	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2
GE 6000	66.5	66.8	66.9	67.0	67.2	67.3	67.3	67.5	67.5	67.5	67.6	67.6	67.7	67.7	67.7	67.7
GE 5000	69.1	69.5	69.5	69.8	70.0	70.1	70.1	70.3	70.3	70.3	70.4	70.4	70.5	70.5	70.5	70.5
GE 4500	70.7	71.2	71.2	71.6	71.8	71.8	71.9	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2
GE 4000	74.2	74.6	74.8	75.2	75.6	75.6	75.7	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0
GE 3500	75.6	76.2	76.3	76.8	77.3	77.4	77.6	77.8	77.8	77.8	77.9	77.9	78.0	78.0	78.0	78.0
GE 3000	78.4	79.0	79.3	79.8	80.4	80.5	80.7	81.1	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.2
GE 2500	79.9	80.7	81.1	81.7	82.4	82.6	82.8	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3
GE 2000	81.2	82.1	82.9	83.9	84.9	85.2	85.5	86.0	86.0	86.1	86.1	86.1	86.2	86.2	86.3	86.3
GE 1800	81.5	82.4	83.2	84.3	85.2	85.5	85.9	86.4	86.4	86.5	86.5	86.5	86.6	86.6	86.7	86.7
GE 1500	82.8	84.0	85.0	86.2	87.3	87.6	88.0	88.6	88.6	88.7	88.8	88.8	88.8	88.8	89.0	89.0
GE 1200	84.2	85.5	86.6	88.0	89.1	89.6	90.2	90.8	90.9	91.0	91.0	91.0	91.1	91.1	91.2	91.2
GE 1000	85.2	86.5	87.8	89.2	90.5	91.0	91.6	92.6	92.8	92.9	93.0	93.0	93.0	93.0	93.2	93.2
GE 900	85.5	86.7	88.0	89.5	90.8	91.3	91.9	93.0	93.2	93.3	93.4	93.4	93.5	93.5	93.6	93.6
GE 800	85.5	86.8	88.3	90.1	91.4	92.0	92.6	93.9	94.2	94.4	94.4	94.5	94.6	94.6	94.7	94.7
GE 700	85.7	87.0	88.6	90.4	91.8	92.4	93.0	94.4	94.7	94.8	94.9	95.0	95.0	95.0	95.2	95.2
GE 600	85.8	87.2	89.0	91.0	92.6	93.2	94.2	95.6	96.0	96.2	96.3	96.4	96.5	96.5	96.6	96.6
GE 500	85.9	87.3	89.1	91.2	92.8	93.6	94.6	96.1	96.7	97.0	97.2	97.3	97.3	97.4	97.6	97.7
GE 400	85.9	87.3	89.1	91.2	92.9	93.8	94.8	96.4	97.1	97.4	97.7	97.8	97.9	97.9	98.1	98.3
GE 300	85.9	87.3	89.1	91.2	92.9	93.8	94.9	96.6	97.3	97.7	98.0	98.1	98.3	98.5	98.7	98.8
GE 200	85.9	87.3	89.1	91.2	92.9	93.8	94.9	96.6	97.5	97.9	98.3	98.4	98.7	98.9	99.1	99.3
GE 100	85.9	87.3	89.1	91.2	92.9	93.8	95.0	96.7	97.5	98.0	98.3	98.5	98.7	99.0	99.3	99.9
GE 000	85.9	87.3	89.1	91.2	92.9	93.8	95.0	96.7	97.5	98.0	98.3	98.5	98.7	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1494



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.4	47.7	47.8	48.0	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.4	48.4	48.4	48.4
GE 20000	53.7	54.0	54.3	54.4	54.7	54.7	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.0
GE 18000	53.8	54.1	54.4	54.5	54.8	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.1
GE 16000	53.8	54.1	54.4	54.5	54.8	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.1	55.1	55.1	55.1
GE 14000	54.5	54.8	55.1	55.3	55.5	55.5	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.8	55.8
GE 12000	56.2	56.6	56.9	57.1	57.3	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.6
GE 10000	58.7	59.1	59.4	59.6	59.8	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.1
GE 9000	59.8	60.2	60.5	60.7	60.9	61.0	61.0	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2
GE 8000	62.6	63.0	63.4	63.7	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3
GE 7000	63.9	64.4	64.8	65.1	65.4	65.5	65.5	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.8
GE 6000	65.1	65.6	66.0	66.4	66.7	66.8	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.1	67.1	67.1
GE 5000	67.8	68.3	68.7	69.1	69.4	69.5	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9
GE 4500	69.0	69.5	70.0	70.4	70.7	70.8	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2
GE 4000	71.7	72.3	72.8	73.3	73.7	73.8	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2
GE 3500	74.2	74.8	75.3	75.8	76.3	76.4	76.5	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.9
GE 3000	76.8	77.5	78.2	78.8	79.5	79.7	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2
GE 2500	78.7	79.5	80.2	80.9	81.7	81.9	82.1	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.6	82.6
GE 2000	80.5	81.4	82.3	83.2	84.1	84.4	84.7	85.1	85.2	85.2	85.3	85.3	85.3	85.4	85.4	85.5
GE 1800	80.7	81.6	82.6	83.5	84.4	84.7	85.1	85.4	85.5	85.6	85.6	85.6	85.7	85.7	85.8	85.8
GE 1500	81.9	82.9	84.0	85.0	86.0	86.5	87.0	87.4	87.5	87.6	87.7	87.7	87.7	87.8	87.8	87.9
GE 1200	82.8	84.0	85.3	86.5	87.7	88.4	89.1	89.7	89.9	90.1	90.1	90.2	90.2	90.3	90.3	90.4
GE 1000	83.3	84.6	86.0	87.3	88.7	89.5	90.3	91.2	91.5	91.6	91.8	91.8	91.9	91.9	92.0	92.0
GE 900	83.5	84.8	86.3	87.7	89.2	90.0	90.9	91.8	92.2	92.4	92.5	92.5	92.6	92.7	92.7	92.8
GE 800	83.5	84.9	86.4	88.0	89.6	90.5	91.5	92.6	93.0	93.2	93.4	93.4	93.5	93.6	93.6	93.7
GE 700	83.6	85.0	86.6	88.3	90.0	90.9	92.0	93.2	93.6	93.9	94.2	94.2	94.3	94.4	94.5	94.5
GE 600	83.7	85.1	86.8	88.6	90.3	91.3	92.5	93.8	94.2	94.7	95.0	95.1	95.2	95.3	95.3	95.4
GE 500	83.7	85.2	86.9	88.8	90.6	91.7	93.0	94.4	95.0	95.5	95.9	96.0	96.2	96.3	96.3	96.4
GE 400	83.7	85.2	86.9	88.9	90.8	92.0	93.4	95.0	95.6	96.2	96.6	96.8	97.0	97.1	97.2	97.3
GE 300	83.7	85.2	86.9	88.9	90.9	92.2	93.6	95.3	96.1	96.7	97.3	97.5	97.9	98.1	98.2	98.3
GE 200	83.7	85.2	86.9	88.9	90.9	92.2	93.7	95.4	96.3	97.0	97.7	97.9	98.3	98.6	98.9	99.1
GE 100	83.7	85.2	86.9	88.9	90.9	92.2	93.7	95.5	96.3	97.0	97.8	98.0	98.5	98.8	99.2	99.8
GE 000	83.7	85.2	86.9	88.9	90.9	92.2	93.7	95.5	96.3	97.0	97.8	98.0	98.5	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 10809

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.4	46.7	47.0	47.2	47.5	47.6	47.6	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 20000	49.5	49.8	50.1	50.2	50.5	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	51.1
GE 18000	49.5	49.8	50.1	50.2	50.5	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	51.1
GE 16000	49.5	49.8	50.1	50.2	50.5	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	51.1
GE 14000	49.5	49.8	50.1	50.2	50.5	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	51.1
GE 12000	50.1	50.4	50.7	50.8	51.1	51.3	51.3	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.8
GE 10000	51.6	51.9	52.2	52.4	52.7	52.8	52.8	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.3
GE 9000	52.4	52.7	53.0	53.1	53.4	53.6	53.6	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	54.1
GE 8000	56.0	56.4	57.0	57.1	57.4	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	58.0
GE 7000	58.5	58.8	59.4	59.6	59.9	60.0	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.5
GE 6000	59.4	59.7	60.3	60.5	60.8	60.9	60.9	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.4
GE 5000	62.8	63.2	63.9	64.0	64.3	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.9
GE 4500	63.6	64.0	64.6	64.8	65.1	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.7
GE 4000	67.8	68.3	69.1	69.2	69.5	69.7	69.8	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.3
GE 3500	70.0	70.4	71.4	71.5	71.8	72.0	72.1	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.6
GE 3000	73.0	73.7	74.7	74.9	75.3	75.5	75.7	75.7	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.3
GE 2500	74.6	75.3	76.4	76.6	77.0	77.2	77.3	77.3	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.9
GE 2000	77.0	78.1	79.2	79.3	79.8	79.9	80.2	80.4	80.6	80.7	80.7	80.7	80.7	80.7	80.7	81.0
GE 1800	77.3	78.4	79.6	79.8	80.2	80.6	80.9	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.6
GE 1500	77.8	78.9	80.4	80.7	81.5	81.8	82.4	82.5	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.3
GE 1200	78.7	79.9	81.6	81.9	82.8	83.3	84.1	84.4	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.3
GE 1000	78.9	80.1	82.2	83.3	84.2	85.1	85.9	86.4	86.8	87.1	87.6	87.6	87.6	87.6	87.6	87.9
GE 900	79.0	80.2	82.4	83.5	84.4	85.3	86.4	86.8	87.7	88.1	88.5	88.5	88.5	88.5	88.5	88.8
GE 800	79.2	80.4	82.8	83.9	84.8	86.1	87.1	87.7	88.7	89.0	89.4	89.4	89.4	89.4	89.4	89.7
GE 700	79.8	81.2	83.9	85.0	85.9	87.3	88.8	89.6	90.5	90.8	91.4	91.4	91.4	91.4	91.4	91.7
GE 600	79.8	81.3	84.2	85.3	86.2	87.7	89.6	90.4	91.4	91.7	92.3	92.3	92.5	92.5	92.5	92.8
GE 500	79.9	81.5	84.5	85.6	86.5	88.2	90.0	91.1	92.2	92.5	93.3	93.3	93.4	93.6	93.6	93.9
GE 400	79.9	81.5	84.5	85.6	87.0	88.8	91.0	92.5	93.7	94.0	94.8	94.8	94.9	95.1	95.1	95.4
GE 300	79.9	81.5	84.5	85.6	87.0	88.8	91.3	93.3	94.5	95.1	96.0	96.3	96.5	96.6	96.6	97.4
GE 200	79.9	81.5	84.5	85.6	87.0	88.8	91.3	93.3	94.5	95.1	96.0	96.3	96.9	97.1	97.1	97.9
GE 100	79.9	81.5	84.5	85.6	87.0	88.8	91.3	93.3	94.5	95.1	96.2	96.5	97.4	97.5	97.9	99.2
GE 000	79.9	81.5	84.5	85.6	87.0	88.8	91.3	93.3	94.5	95.1	96.2	96.5	97.5	97.7	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 653

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.8	45.9	46.2	46.2	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.5	46.5	46.7	46.9
GE 20000	49.2	49.3	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9	49.9	50.1	50.2
GE 18000	49.2	49.3	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9	49.9	50.1	50.2
GE 16000	49.2	49.3	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9	49.9	50.1	50.2
GE 14000	49.2	49.3	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9	49.9	50.1	50.2
GE 12000	50.2	50.4	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	51.0	51.0	51.2	51.3
GE 10000	51.2	51.3	51.6	51.6	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.9	51.9	52.1	52.2
GE 9000	52.4	52.5	52.8	52.8	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.3	53.5
GE 8000	56.1	56.2	56.5	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8	57.0	57.1
GE 7000	57.5	57.6	57.9	57.9	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.4	58.4	58.5	58.7
GE 6000	57.8	57.9	58.2	58.2	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.7	58.7	58.8	59.0
GE 5000	59.9	60.1	60.5	60.5	60.5	60.8	61.3	61.3	61.4	61.4	61.4	61.4	61.6	61.6	61.8	61.9
GE 4500	60.8	61.0	61.4	61.4	61.4	61.8	62.2	62.2	62.4	62.4	62.4	62.4	62.5	62.5	62.7	62.8
GE 4000	64.8	65.0	65.4	65.4	65.4	65.7	66.2	66.2	66.4	66.4	66.4	66.4	66.5	66.5	66.7	66.8
GE 3500	69.6	69.7	70.2	70.5	70.5	70.8	71.3	71.3	71.4	71.4	71.4	71.4	71.6	71.6	71.7	71.9
GE 3000	71.7	72.0	73.3	73.6	73.6	73.9	74.3	74.3	74.5	74.5	74.5	74.5	74.7	74.7	74.8	75.0
GE 2500	74.8	75.3	76.5	76.8	77.0	77.3	77.7	77.7	77.9	77.9	77.9	77.9	78.0	78.0	78.2	78.3
GE 2000	76.0	77.1	78.6	79.1	79.4	79.7	80.2	80.2	80.3	80.3	80.3	80.3	80.5	80.5	80.6	80.8
GE 1800	76.5	77.6	79.1	79.6	79.9	80.2	80.6	80.6	80.8	80.8	80.8	80.8	81.0	81.0	81.1	81.3
GE 1500	77.0	78.2	79.7	80.3	80.8	81.1	81.6	81.7	81.9	82.0	82.0	82.0	82.2	82.2	82.3	82.5
GE 1200	78.3	79.7	81.3	82.0	82.9	83.3	84.2	84.3	84.5	84.6	84.6	84.6	84.8	84.8	84.9	85.1
GE 1000	78.5	80.2	81.7	82.6	83.9	84.3	85.4	85.9	86.2	86.3	86.3	86.3	86.5	86.5	86.6	86.8
GE 900	78.5	80.2	82.0	82.9	84.2	84.8	85.9	86.6	86.9	87.1	87.1	87.1	87.3	87.3	87.4	87.6
GE 800	79.1	81.0	82.9	83.9	85.1	85.7	86.8	87.9	88.3	88.6	88.9	88.9	89.1	89.1	89.2	89.4
GE 700	79.1	81.3	83.4	84.5	85.9	86.6	87.7	88.9	89.4	89.7	90.2	90.2	90.3	90.3	90.5	90.6
GE 600	79.3	81.4	83.9	85.1	87.3	88.0	89.7	91.1	91.7	92.0	92.5	92.5	92.6	92.6	92.8	92.9
GE 500	79.4	81.6	84.2	85.6	88.0	88.8	90.5	92.0	92.6	92.9	93.4	93.4	93.5	93.5	93.7	93.9
GE 400	79.4	81.6	84.2	85.6	88.0	88.9	90.6	92.2	92.8	93.2	93.9	93.9	94.0	94.0	94.2	94.3
GE 300	79.4	81.6	84.2	85.6	88.0	89.6	91.6	93.9	94.5	95.1	95.9	95.9	96.0	96.0	96.6	96.8
GE 200	79.4	81.6	84.2	85.6	88.0	89.7	91.7	94.3	94.9	95.5	96.6	96.6	96.8	97.2	97.4	97.5
GE 100	79.4	81.6	84.2	85.6	88.0	89.7	91.7	94.3	95.2	95.9	96.9	96.9	97.1	97.7	98.5	99.2
GE 000	79.4	81.6	84.2	85.6	88.0	89.7	91.7	94.3	95.2	95.9	96.9	96.9	97.1	97.7	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 651

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.6	44.0	44.4	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 20000	48.5	48.9	49.3	49.4	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.7
GE 18000	48.6	49.0	49.4	49.6	49.7	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 16000	48.6	49.0	49.4	49.6	49.7	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 14000	49.1	49.5	49.9	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.3	50.3	50.3	50.3
GE 12000	50.0	50.4	50.9	51.0	51.1	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.3
GE 10000	52.4	52.9	53.3	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.8
GE 9000	53.4	53.9	54.3	54.5	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 8000	56.0	56.7	57.1	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.7
GE 7000	57.6	58.2	58.6	58.9	59.1	59.1	59.1	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 6000	58.9	59.5	59.9	60.2	60.4	60.4	60.4	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 5000	61.2	61.8	62.2	62.5	62.7	62.7	62.7	62.7	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0
GE 4500	62.7	63.3	63.7	64.0	64.3	64.3	64.4	64.4	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.7
GE 4000	64.3	65.1	65.6	66.0	66.2	66.2	66.3	66.3	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.6
GE 3500	67.6	68.4	68.9	69.5	69.8	69.9	69.9	69.9	70.0	70.1	70.2	70.2	70.3	70.3	70.3	70.3
GE 3000	70.9	71.8	72.4	73.1	73.4	73.5	73.5	73.6	73.7	73.8	73.9	73.9	74.0	74.0	74.0	74.0
GE 2500	73.6	74.6	75.3	76.0	76.3	76.3	76.6	76.6	76.7	76.8	76.9	76.9	77.0	77.0	77.0	77.0
GE 2000	75.5	76.4	77.2	78.1	78.4	78.6	78.9	79.0	79.2	79.3	79.4	79.4	79.5	79.5	79.5	79.6
GE 1800	76.0	77.0	77.9	78.8	79.2	79.4	79.7	79.8	79.9	80.0	80.2	80.2	80.2	80.2	80.2	80.3
GE 1500	77.6	78.9	80.0	81.1	81.5	82.0	82.4	82.5	82.6	82.8	82.9	82.9	83.0	83.0	83.0	83.0
GE 1200	79.9	81.4	82.7	83.9	84.8	85.6	86.0	86.4	86.7	86.9	87.1	87.1	87.3	87.3	87.3	87.4
GE 1000	80.2	81.8	83.2	85.0	86.0	86.8	87.4	88.0	88.3	88.6	88.9	88.9	89.0	89.0	89.0	89.1
GE 900	80.5	82.3	84.1	85.9	86.9	87.7	88.2	88.9	89.2	89.5	90.0	90.0	90.1	90.1	90.1	90.2
GE 800	80.5	82.5	84.4	86.3	87.5	88.3	88.9	89.8	90.1	90.4	90.9	90.9	91.0	91.0	91.0	91.1
GE 700	80.5	82.6	84.7	86.7	88.4	89.2	89.7	90.8	91.3	91.7	92.2	92.2	92.5	92.5	92.5	92.5
GE 600	80.5	82.6	84.8	86.9	88.6	89.5	90.2	91.5	92.0	92.4	93.0	93.0	93.4	93.5	93.5	93.6
GE 500	80.5	82.6	84.9	87.0	88.9	90.0	90.7	92.1	92.5	93.2	93.9	93.9	94.4	94.5	94.5	94.5
GE 400	80.5	82.6	85.0	87.1	89.1	90.2	91.1	92.7	93.3	93.9	94.9	94.9	95.4	95.6	95.6	95.7
GE 300	80.5	82.6	85.0	87.1	89.2	90.3	91.3	93.0	93.8	94.5	95.7	95.8	96.4	96.5	96.7	97.0
GE 200	80.5	82.6	85.0	87.1	89.2	90.4	91.4	93.4	94.3	95.2	96.5	96.7	97.5	97.7	97.9	98.5
GE 100	80.5	82.6	85.0	87.1	89.2	90.4	91.4	93.4	94.4	95.3	96.7	96.9	97.8	98.2	98.8	99.8
GE 000	80.5	82.6	85.0	87.1	89.2	90.4	91.4	93.4	94.4	95.3	96.7	96.9	97.9	98.2	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1463

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 1/8
NO CEIL	44.7	44.8	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 20000	49.9	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 18000	50.1	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 16000	50.2	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 14000	50.4	50.6	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 12000	51.7	51.9	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 10000	54.2	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 9000	55.2	55.5	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 8000	58.1	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 7000	59.5	59.8	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 6000	60.4	60.8	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 5000	62.2	62.6	62.9	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 4500	63.7	64.0	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 4000	67.1	67.5	68.0	68.2	68.2	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 3500	71.2	71.6	72.1	72.4	72.4	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 3000	74.3	74.9	75.5	75.8	75.8	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 2500	77.3	78.0	78.7	79.1	79.1	79.1	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 2000	79.4	80.2	81.0	81.5	81.5	81.6	81.7	81.9	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2
GE 1800	79.8	80.6	81.5	81.9	82.0	82.1	82.2	82.5	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7
GE 1500	81.7	82.5	83.4	84.0	84.2	84.4	84.6	85.0	85.2	85.2	85.3	85.3	85.4	85.4	85.4	85.4
GE 1200	83.0	84.1	85.4	86.3	86.8	87.3	87.6	88.2	88.5	88.5	88.8	88.8	88.8	88.8	88.8	88.8
GE 1000	83.6	84.7	86.1	87.2	88.0	88.7	89.1	89.9	90.3	90.4	90.6	90.7	90.8	90.8	90.8	90.8
GE 900	84.1	85.3	86.8	88.0	88.9	89.7	90.1	91.0	91.3	91.4	91.7	91.7	91.8	91.8	91.8	91.8
GE 800	84.2	85.5	87.0	88.2	89.5	90.3	90.8	91.7	92.1	92.2	92.5	92.6	92.6	92.6	92.6	92.6
GE 700	84.2	85.5	87.3	88.5	90.0	91.0	91.5	92.6	93.0	93.2	93.5	93.5	93.6	93.6	93.6	93.6
GE 600	84.4	85.7	87.6	88.8	90.7	91.8	92.4	93.6	94.0	94.2	94.6	94.7	94.8	94.8	94.8	94.8
GE 500	84.4	85.7	87.6	89.1	91.1	92.3	93.0	94.4	94.9	95.1	95.6	95.8	95.9	95.9	95.9	95.9
GE 400	84.5	85.8	87.7	89.2	91.3	92.6	93.5	95.2	95.8	96.1	96.7	96.8	96.9	97.0	97.0	97.0
GE 300	84.5	85.8	87.7	89.2	91.3	92.7	93.7	95.6	96.2	96.7	97.4	97.6	97.9	98.1	98.1	98.3
GE 200	84.5	85.8	87.7	89.2	91.3	92.7	93.7	95.8	96.5	96.9	97.9	98.1	98.6	99.0	99.0	99.5
GE 100	84.5	85.8	87.7	89.2	91.3	92.7	93.7	95.8	96.5	96.9	97.9	98.1	98.6	99.1	99.3	99.9
GE 000	84.5	85.8	87.7	89.2	91.3	92.7	93.7	95.8	96.5	96.9	97.9	98.1	98.6	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 20000	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 18000	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 16000	48.6	48.6	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 14000	49.2	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 12000	50.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 10000	52.7	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 9000	54.2	54.3	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 8000	56.3	56.4	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 7000	57.5	57.7	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 6000	58.1	58.3	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 5000	60.1	60.4	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 4500	63.3	63.5	63.9	64.0	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 4000	68.7	69.0	69.3	69.6	69.7	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 3500	72.9	73.2	73.6	73.9	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 3000	76.5	76.8	77.2	77.5	77.8	77.9	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 2500	79.9	80.3	80.8	81.1	81.5	81.8	81.9	82.0	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2
GE 2000	82.4	82.9	83.6	83.9	84.4	84.7	84.9	85.0	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.2
GE 1800	82.9	83.5	84.2	84.6	85.2	85.5	85.7	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 1500	84.6	85.4	86.3	86.7	87.5	88.0	88.3	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 1200	85.2	85.6	87.9	88.5	89.6	90.2	90.6	91.0	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2
GE 1000	85.9	86.9	88.4	89.1	90.4	91.0	91.5	91.9	91.9	92.1	92.2	92.3	92.4	92.4	92.4	92.4
GE 900	86.3	87.4	89.1	90.0	91.3	92.0	92.6	93.1	93.1	93.2	93.4	93.5	93.6	93.6	93.7	93.7
GE 800	86.3	87.6	89.5	90.8	92.3	93.1	93.7	94.2	94.2	94.4	94.6	94.7	94.9	94.9	94.9	94.9
GE 700	86.4	87.7	89.9	91.4	93.0	94.0	94.7	95.3	95.3	95.5	95.7	95.9	96.0	96.1	96.1	96.1
GE 600	86.4	87.7	90.1	91.6	93.2	94.2	95.0	95.0	95.9	96.1	96.3	96.5	96.7	96.8	96.9	96.9
GE 500	86.4	87.7	90.2	91.8	93.4	94.5	95.4	96.2	96.2	96.4	96.8	97.0	97.3	97.4	97.5	97.5
GE 400	86.4	87.7	90.2	91.8	93.6	94.7	95.7	96.6	96.7	96.9	97.4	97.7	97.9	98.0	98.2	98.2
GE 300	86.4	87.7	90.2	91.8	93.8	94.9	96.0	97.0	97.2	97.5	98.0	98.2	98.5	98.7	99.1	99.1
GE 200	86.4	87.7	90.2	91.8	93.8	94.9	96.0	97.1	97.3	97.6	98.2	98.4	99.0	99.3	99.8	99.8
GE 100	86.4	87.7	90.2	91.8	93.8	94.9	96.0	97.1	97.3	97.6	98.2	98.4	99.0	99.4	99.8	99.8
GE 000	86.4	87.7	90.2	91.8	93.8	94.9	96.0	97.1	97.3	97.6	98.2	98.4	99.0	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1859

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
1ST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - JUL 87  
MONTH: MAR HOURS: 15:00

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 7/16	GE 3/16	GE 1/16	GE 0
NO CELL	44.5	44.5	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 20000	50.9	51.1	51.1	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 18000	51.0	51.1	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 16000	51.0	51.1	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 14000	51.5	51.6	51.6	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 12000	53.6	53.9	53.9	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 10000	55.6	56.0	56.0	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 9000	56.3	56.7	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 8000	59.3	59.7	59.8	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 7000	60.7	61.1	61.3	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 6000	61.8	62.1	62.3	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 5000	65.2	65.6	65.8	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 4500	68.4	68.8	68.9	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 4000	73.3	73.7	73.9	74.4	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 3500	76.0	76.5	76.7	77.3	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 3000	79.3	79.7	79.9	79.9	79.9	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 2500	81.6	81.6	81.9	82.6	82.7	82.9	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 2000	83.3	84.1	84.4	85.1	85.3	85.5	85.7	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 1800	83.6	84.4	84.7	85.4	85.7	86.1	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 1600	84.3	85.6	86.0	86.8	87.4	87.9	88.1	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 1400	85.1	86.4	87.1	88.3	89.2	89.9	90.3	91.0	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3
GE 1200	85.4	87.1	87.4	89.3	90.6	91.5	91.9	92.8	93.1	93.1	93.2	93.2	93.3	93.3	93.3	93.3
GE 1000	85.6	87.2	88.2	89.7	91.2	92.1	92.5	93.5	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9
GE 900	85.7	87.4	88.4	90.2	91.8	92.9	93.5	94.5	94.8	94.9	95.0	95.0	95.1	95.1	95.1	95.1
GE 800	85.7	87.5	88.5	90.5	92.3	93.6	94.2	95.4	95.7	95.8	96.0	96.1	96.2	96.2	96.2	96.2
GE 700	85.7	87.5	88.5	90.6	92.7	94.0	94.7	96.0	96.4	96.6	96.8	96.9	97.0	97.0	97.0	97.0
GE 600	85.7	87.5	88.5	90.8	92.9	94.3	95.0	96.4	96.9	97.0	97.3	97.4	97.6	97.6	97.6	97.6
GE 500	85.7	87.5	88.5	90.8	93.1	94.4	95.3	96.8	97.5	97.6	98.0	98.1	98.3	98.3	98.3	98.3
GE 400	85.7	87.5	88.5	90.8	93.1	94.5	95.3	96.9	97.7	98.0	98.5	98.6	98.9	98.9	98.9	98.9
GE 300	85.7	87.5	88.5	90.8	93.1	94.6	95.6	97.4	98.2	98.4	99.0	99.1	99.4	99.4	99.4	99.4
GE 200	85.7	87.5	88.5	90.8	93.1	94.6	95.6	97.4	98.2	98.4	99.0	99.1	99.4	99.4	99.4	99.4
GE 100	85.7	87.5	88.5	90.8	93.1	94.6	95.6	97.4	98.2	98.4	99.0	99.1	99.4	99.4	99.4	99.4
GE 000	85.7	87.5	88.5	90.8	93.1	94.6	95.6	97.4	98.2	98.4	99.0	99.1	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 1857

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4
NO CELL	49.8	49.9	49.9	50.0	50.2	50.2	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4
GE 20000	54.7	54.8	54.9	54.9	55.2	55.2	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4
GE 19000	54.7	54.8	54.9	54.9	55.2	55.2	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4
GE 18000	54.8	54.9	55.0	55.0	55.3	55.3	55.4	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5
GE 17000	55.1	55.3	55.3	55.4	55.6	55.6	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8
GE 16000	56.6	56.7	56.8	56.9	57.1	57.1	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3
GE 15000	59.0	59.2	59.3	59.4	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 14000	59.3	59.6	59.7	59.7	60.0	60.0	60.0	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2
GE 13000	61.9	62.2	62.5	62.5	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 12000	63.8	64.1	64.4	64.5	64.9	64.9	64.9	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1
GE 11000	65.1	65.5	65.8	65.9	66.3	66.3	66.3	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5
GE 10000	67.9	68.3	68.6	68.7	69.1	69.1	69.2	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4
GE 9500	70.0	70.5	70.8	70.9	71.4	71.4	71.5	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7
GE 9000	73.3	73.9	74.3	74.4	74.9	74.9	75.0	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2
GE 8500	75.8	76.4	76.8	77.0	77.4	77.5	77.6	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8
GE 8000	78.5	79.1	79.5	79.7	80.3	80.4	80.5	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7
GE 7500	79.9	80.5	81.1	81.3	81.9	82.0	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2
GE 7000	82.4	83.3	84.2	84.5	85.2	85.1	85.8	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1
GE 6500	82.7	83.6	84.8	85.1	85.8	86.1	86.4	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8
GE 6000	83.6	84.7	86.1	86.6	87.3	87.6	88.0	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4
GE 5500	84.6	85.8	87.6	88.4	89.4	89.8	90.3	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8
GE 5000	84.8	86.2	88.2	89.1	90.3	90.8	91.3	91.9	92.1	92.3	92.4	92.4	92.5	92.5	92.5
GE 4500	84.9	86.4	88.5	89.5	90.8	91.5	92.1	92.8	93.1	93.2	93.3	93.3	93.4	93.4	93.4
GE 4000	85.1	86.6	88.9	90.0	91.4	92.1	92.7	93.5	93.8	93.9	94.0	94.0	94.1	94.1	94.1
GE 3500	85.1	86.6	89.1	90.4	91.9	92.7	93.4	94.2	94.5	94.7	94.9	94.9	95.1	95.2	95.2
GE 3000	85.2	86.7	89.1	90.5	92.2	92.9	93.9	94.9	95.2	95.5	95.7	95.7	95.9	96.0	96.0
GE 2500	85.2	86.7	89.1	90.5	92.3	93.1	94.0	95.2	95.5	95.9	96.2	96.2	96.4	96.4	96.5
GE 2000	85.2	86.8	89.2	90.6	92.5	93.4	94.6	96.0	96.3	97.0	97.4	97.6	97.7	97.8	97.8
GE 1500	85.2	86.8	89.2	90.6	92.5	93.5	94.8	96.2	96.7	97.3	97.8	98.1	98.3	98.4	98.5
GE 1000	85.2	86.8	89.2	90.6	92.5	93.5	94.9	96.3	97.0	97.8	98.5	98.8	99.0	99.2	99.4
GE 500	85.2	86.8	89.2	90.6	92.5	93.5	94.9	96.3	97.0	98.0	98.7	98.9	99.2	99.4	99.6
GE 000	85.2	86.8	89.2	90.6	92.5	93.5	94.9	96.3	97.0	98.0	98.7	98.9	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1857



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.6	50.6	50.6	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.9	50.9	50.9	50.9
GE 20000	55.5	55.5	55.5	55.6	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9
GE 18000	55.5	55.5	55.5	55.6	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9
GE 16000	55.5	55.5	55.5	55.6	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9
GE 14000	55.5	55.5	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9	55.9
GE 12000	56.4	56.4	56.4	56.5	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8
GE 10000	58.6	58.6	58.7	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.1	59.1
GE 9000	59.6	59.6	59.6	59.7	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.0
GE 8000	62.6	62.6	62.9	62.9	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.3	63.3
GE 7000	65.1	65.1	65.4	65.4	65.6	65.6	65.7	65.7	65.7	65.7	65.8	65.8	65.9	65.9	65.9	65.9
GE 6000	66.1	66.1	66.4	66.4	66.5	66.6	66.7	66.7	66.7	66.7	66.8	66.8	66.9	66.9	66.9	66.9
GE 5000	68.3	68.4	68.8	68.8	68.9	69.0	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.3	69.3
GE 4500	70.3	70.5	70.8	70.9	71.1	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.5	71.5	71.6	71.6
GE 4000	73.4	73.6	74.0	74.1	74.4	74.4	74.6	74.6	74.6	74.7	74.8	74.8	74.8	74.8	74.9	74.9
GE 3500	74.7	74.9	75.2	75.4	75.7	75.8	75.9	76.0	76.0	76.0	76.1	76.1	76.2	76.2	76.3	76.3
GE 3000	76.5	76.7	77.1	77.5	78.0	78.1	78.2	78.3	78.3	78.5	78.6	78.6	78.7	78.7	78.7	78.8
GE 2500	77.6	77.9	78.3	78.7	79.2	79.3	79.5	79.6	79.6	79.8	79.8	79.8	80.0	80.0	80.0	80.1
GE 2000	79.4	80.3	80.9	81.3	81.9	82.0	82.3	82.4	82.4	82.6	82.7	82.7	82.8	82.8	82.9	83.0
GE 1800	80.1	81.0	81.6	82.0	82.7	82.7	83.0	83.1	83.1	83.3	83.4	83.4	83.6	83.6	83.6	83.7
GE 1500	81.3	82.4	83.2	83.7	84.7	84.8	85.1	85.5	85.5	85.7	85.8	85.8	86.0	86.0	86.0	86.1
GE 1200	82.8	84.0	85.3	86.1	87.3	87.6	88.1	88.5	88.5	88.8	88.9	88.9	89.1	89.1	89.2	89.2
GE 1000	83.3	84.6	86.3	87.4	88.9	89.3	90.0	90.4	90.8	91.1	91.2	91.2	91.4	91.4	91.4	91.5
GE 900	83.4	84.7	86.6	87.9	89.5	90.0	90.8	91.3	91.7	92.0	92.1	92.1	92.3	92.3	92.3	92.4
GE 800	83.6	84.9	86.8	88.1	89.7	90.2	91.2	91.9	92.4	92.7	92.9	92.9	93.1	93.1	93.1	93.2
GE 700	83.9	85.2	87.1	88.5	90.3	90.9	91.9	92.6	93.1	93.5	93.8	93.8	93.9	93.9	94.0	94.1
GE 600	83.9	85.2	87.4	88.8	90.7	91.6	92.8	93.8	94.4	94.7	95.0	95.0	95.2	95.2	95.3	95.3
GE 500	84.1	85.4	87.6	89.3	91.2	92.1	93.4	94.4	95.1	95.5	96.0	96.0	96.1	96.1	96.2	96.3
GE 400	84.1	85.4	87.6	89.5	91.4	92.5	94.1	95.1	95.8	96.2	96.8	96.8	97.0	97.0	97.1	97.1
GE 300	84.1	85.5	87.7	89.6	91.7	92.8	94.7	95.8	96.5	96.9	97.5	97.6	98.0	98.0	98.1	98.2
GE 200	84.1	85.5	87.7	89.6	91.7	92.8	94.7	95.8	96.6	97.1	97.8	97.9	98.3	98.4	98.8	99.2
GE 100	84.1	85.5	87.7	89.6	91.7	92.8	94.7	95.8	96.7	97.2	97.9	98.1	98.6	98.7	99.2	99.4
GE 000	84.1	85.5	87.7	89.6	91.7	92.8	94.7	95.8	96.7	97.2	97.9	98.1	98.6	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1632

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.1	46.2	46.3	46.4	46.5	46.5	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 20000	51.1	51.3	51.4	51.5	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 18000	51.2	51.3	51.5	51.6	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 16000	51.2	51.4	51.5	51.6	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.9
GE 14000	51.5	51.7	51.9	51.9	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.2	52.2
GE 12000	52.8	53.0	53.2	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5
GE 10000	55.0	55.3	55.4	55.5	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.8	55.8
GE 9000	55.9	56.2	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7
GE 8000	58.7	59.0	59.3	59.4	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 7000	60.4	60.7	61.0	61.1	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.5	61.5
GE 6000	61.4	61.7	62.0	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5
GE 5000	63.9	64.2	64.5	64.7	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1
GE 4500	66.0	66.3	66.7	66.9	67.0	67.1	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 4000	69.7	70.1	70.6	70.8	71.0	71.1	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.4
GE 3500	72.8	73.3	73.7	74.0	74.2	74.3	74.4	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6
GE 3000	75.6	76.1	76.6	77.0	77.3	77.4	77.5	77.6	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8
GE 2500	78.0	78.6	79.2	79.5	79.9	80.0	80.2	80.3	80.3	80.4	80.4	80.4	80.5	80.5	80.5	80.5
GE 2000	80.2	81.0	81.7	82.2	82.6	82.8	83.0	83.2	83.3	83.4	83.4	83.4	83.5	83.5	83.5	83.5
GE 1800	80.6	81.5	82.3	82.8	83.2	83.4	83.7	83.9	84.0	84.1	84.1	84.1	84.2	84.2	84.2	84.2
GE 1500	81.8	82.9	83.9	84.5	85.1	85.4	85.8	86.1	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.5
GE 1200	83.1	84.3	85.6	86.5	87.4	87.9	88.4	88.9	89.0	89.1	89.3	89.3	89.3	89.3	89.3	89.4
GE 1000	83.4	84.8	86.3	87.4	88.6	89.2	89.8	90.4	90.7	90.8	91.0	91.0	91.1	91.1	91.1	91.2
GE 900	83.7	85.1	86.8	88.0	89.3	90.0	90.6	91.3	91.6	91.8	92.0	92.0	92.1	92.1	92.1	92.2
GE 800	83.8	85.3	87.1	88.5	89.9	90.7	91.4	92.2	92.5	92.7	93.0	93.0	93.1	93.1	93.1	93.2
GE 700	83.9	85.4	87.4	88.9	90.5	91.5	92.2	93.1	93.5	93.7	94.0	94.1	94.2	94.2	94.3	94.3
GE 600	84.0	85.5	87.6	89.2	90.9	92.0	92.9	94.0	94.4	94.7	95.0	95.1	95.3	95.3	95.4	95.4
GE 500	84.0	85.6	87.7	89.4	91.3	92.3	93.3	94.5	95.0	95.3	95.7	95.8	96.0	96.1	96.1	96.2
GE 400	84.0	85.6	87.7	89.5	91.4	92.6	93.8	95.1	95.7	96.1	96.6	96.7	97.0	97.1	97.1	97.2
GE 300	84.0	85.6	87.7	89.5	91.5	92.8	94.1	95.6	96.2	96.7	97.4	97.5	97.9	98.0	98.1	98.3
GE 200	84.0	85.6	87.7	89.5	91.5	92.8	94.2	95.8	96.5	97.0	97.8	98.0	98.5	98.7	98.9	99.2
GE 100	84.0	85.6	87.7	89.5	91.5	92.8	94.2	95.8	96.6	97.1	97.9	98.1	98.6	98.9	99.3	99.8
GE 000	84.0	85.6	87.7	89.5	91.5	92.8	94.2	95.8	96.6	97.1	97.9	98.1	98.7	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 11832

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: APR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.4	50.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.2	51.2	51.2	51.5
GE 20000	55.0	55.3	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9	56.2
GE 18000	55.5	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.4	56.4	56.4	56.7
GE 16000	55.5	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.4	56.4	56.4	56.7
GE 14000	55.8	56.1	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	57.0
GE 12000	56.6	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.5	57.5	57.5	57.8
GE 10000	58.6	59.2	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.9	59.9	59.9	60.2
GE 9000	60.2	60.8	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.5	61.5	61.5	61.8
GE 8000	63.8	64.5	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.4	65.4	65.4	65.7
GE 7000	66.7	67.3	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.6
GE 6000	67.5	68.1	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.8
GE 5000	69.7	70.3	71.4	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.4	72.4	72.4	72.7
GE 4500	70.6	71.6	72.8	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.8	73.8	73.8	74.1
GE 4000	74.4	75.4	76.6	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	78.0
GE 3500	75.2	76.1	77.4	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5	78.5	78.8
GE 3000	76.9	77.9	79.1	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.3	80.3	80.3	80.6
GE 2500	79.1	80.6	82.0	82.6	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.3	83.3	83.3	83.6
GE 2000	81.5	82.9	84.4	85.0	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.1	86.1	86.1	86.4
GE 1800	81.8	83.3	84.7	85.3	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.7
GE 1500	82.5	83.9	85.6	86.4	87.0	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.8	87.8	87.8	88.2
GE 1200	83.3	84.7	86.6	87.4	88.0	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.4	89.4	89.4	89.7
GE 1000	83.4	84.8	86.7	87.7	88.8	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.5	90.5	90.5	90.8
GE 900	83.7	85.2	87.0	88.0	89.1	90.2	91.0	91.3	91.5	91.5	91.5	91.5	91.8	91.8	91.8	92.1
GE 800	83.7	85.5	87.5	88.6	89.7	90.8	91.8	92.1	92.3	92.3	92.3	92.3	92.6	92.6	92.6	92.9
GE 700	83.7	85.5	87.8	89.4	90.5	91.6	92.6	93.0	93.4	93.5	93.5	93.5	94.0	94.2	94.2	94.5
GE 600	83.9	85.6	88.0	89.7	90.8	91.9	93.0	93.5	93.8	94.0	94.0	94.0	94.5	94.6	94.6	94.9
GE 500	83.9	85.6	88.0	90.4	92.3	93.4	94.5	94.9	95.3	95.4	95.4	95.4	95.9	96.1	96.1	96.4
GE 400	84.0	85.9	88.3	90.7	92.6	93.7	95.1	95.6	96.1	96.2	96.2	96.4	96.8	97.0	97.0	97.5
GE 300	84.2	86.1	88.5	90.8	92.7	94.2	95.7	96.2	96.7	96.8	96.8	97.0	97.6	97.8	97.9	98.6
GE 200	84.2	86.1	88.5	90.8	92.7	94.2	95.7	96.2	96.7	96.8	96.8	97.0	97.6	97.8	98.1	99.1
GE 100	84.2	86.1	88.5	90.8	92.7	94.2	95.7	96.2	96.7	96.8	96.8	97.0	97.6	97.8	98.6	99.5
GE 000	84.2	86.1	88.5	90.8	92.7	94.2	95.7	96.2	96.7	96.8	96.8	97.0	97.6	97.8	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 633

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: APR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.0	49.3	49.4	49.6	49.6	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.1	50.1	50.2
GE 20000	52.5	53.2	53.4	53.6	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.2
GE 18000	52.5	53.2	53.4	53.6	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.2
GE 16000	52.5	53.2	53.4	53.6	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.2
GE 14000	52.6	53.4	53.6	53.7	53.7	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.2	54.2	54.4
GE 12000	54.2	55.0	55.2	55.3	55.3	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.8	55.8	55.9
GE 10000	56.9	57.7	57.8	58.0	58.0	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.5	58.5	58.6
GE 9000	58.3	59.1	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.9	59.9	60.1
GE 8000	62.9	63.7	63.9	64.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.5	64.5	64.7
GE 7000	64.8	65.6	65.8	65.9	65.9	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.4	66.4	66.6
GE 6000	67.8	68.8	68.9	69.1	69.1	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.6	69.6	69.7
GE 5000	69.7	70.7	70.8	71.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.5	71.5	71.6
GE 4500	71.0	71.9	72.3	72.7	72.7	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.4
GE 4000	74.0	75.0	75.3	75.8	75.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.4
GE 3500	74.8	75.8	76.1	76.5	76.5	76.5	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.2
GE 3000	78.1	79.1	79.4	79.9	79.9	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.3	80.3	80.5
GE 2500	79.6	80.5	81.1	81.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.1	82.1	82.3
GE 2000	81.9	83.2	83.8	84.5	84.5	84.5	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.3	85.3	85.4
GE 1800	82.3	83.5	84.3	85.1	85.3	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.1	86.1	86.2
GE 1500	83.0	84.8	85.7	86.7	86.8	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.8	87.8	88.0
GE 1200	83.4	85.3	86.4	87.5	88.0	88.3	88.7	88.9	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.4
GE 1000	83.4	85.4	86.7	87.8	88.7	89.1	89.5	89.9	90.0	90.0	90.0	90.0	90.0	90.2	90.2	90.3
GE 900	83.7	85.7	87.0	88.1	89.5	89.9	90.3	90.6	90.8	90.8	90.8	90.8	90.8	91.0	91.0	91.1
GE 800	84.0	86.2	87.8	89.1	90.8	91.1	91.9	92.2	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.9
GE 700	84.2	86.4	88.1	89.5	91.4	91.8	92.7	93.2	93.5	93.5	93.5	93.5	93.5	93.7	93.7	93.8
GE 600	84.2	86.4	88.1	89.7	91.6	91.9	93.0	93.5	93.8	94.0	94.0	94.0	94.0	94.1	94.1	94.3
GE 500	84.2	86.4	88.1	90.2	92.4	92.7	94.0	94.8	95.2	95.4	95.6	95.6	95.6	95.7	95.7	95.9
GE 400	84.2	86.4	88.1	90.2	92.4	93.0	94.3	95.4	95.9	96.0	96.2	96.4	96.5	96.8	97.0	97.1
GE 300	84.2	86.4	88.3	90.3	92.6	93.2	94.6	95.7	96.2	96.4	96.5	96.7	97.0	97.3	97.5	97.6
GE 200	84.2	86.4	88.3	90.3	92.6	93.2	94.8	95.9	96.4	96.5	97.0	97.1	97.6	97.9	98.1	98.7
GE 100	84.2	86.4	88.3	90.3	92.6	93.2	94.8	95.9	96.4	96.5	97.0	97.1	97.6	98.1	98.3	99.8
GE 000	84.2	86.4	88.3	90.3	92.6	93.2	94.8	95.9	96.4	96.5	97.0	97.1	97.6	98.1	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 631

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.6	42.1	42.3	42.4	42.6	42.8	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	43.1
GE 20000	47.2	47.8	48.0	48.2	48.4	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	49.0
GE 18000	47.2	47.8	48.0	48.2	48.4	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	49.0
GE 16000	47.2	47.8	48.0	48.2	48.4	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	49.0
GE 14000	47.5	48.1	48.4	48.5	48.7	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.4
GE 12000	48.4	49.0	49.4	49.5	49.7	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.4
GE 10000	52.3	52.9	53.3	53.4	53.6	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.3
GE 9000	53.2	53.9	54.2	54.3	54.7	54.9	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.4
GE 8000	57.6	58.6	59.0	59.1	59.4	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.9	60.2
GE 7000	59.8	60.8	61.3	61.5	61.9	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.7
GE 6000	61.2	62.2	62.7	63.0	63.4	63.7	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.3
GE 5000	64.1	65.2	65.7	66.0	66.4	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.3
GE 4500	65.9	66.9	67.4	67.8	68.2	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.7	69.0
GE 4000	67.9	69.0	69.5	69.9	70.3	70.6	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.9	71.2
GE 3500	70.3	71.3	71.9	72.3	72.7	73.1	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.7
GE 3000	71.7	72.9	73.4	73.9	74.5	75.0	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.3	75.6
GE 2500	74.9	76.0	76.6	77.2	77.9	78.4	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.8	78.8	79.2
GE 2000	77.2	78.6	79.3	79.9	80.7	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.6	81.7	82.0
GE 1800	77.6	79.0	79.7	80.5	81.3	81.8	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.5
GE 1500	79.2	80.5	81.3	82.1	83.2	83.7	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.6
GE 1200	81.7	83.5	84.5	85.4	86.6	87.4	87.8	88.0	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.6
GE 1000	82.5	84.3	85.4	86.4	87.8	88.7	89.1	89.4	89.6	89.6	89.6	89.6	89.6	89.7	89.7	90.1
GE 900	83.1	85.0	86.2	87.4	88.7	89.7	90.1	90.4	90.6	90.6	90.6	90.6	90.7	90.7	90.8	91.1
GE 800	83.5	85.4	87.1	88.4	90.0	91.1	91.5	91.9	92.1	92.1	92.1	92.1	92.2	92.3	92.3	92.7
GE 700	83.7	85.6	87.5	89.1	90.8	92.1	92.6	92.9	93.1	93.1	93.1	93.2	93.2	93.3	93.4	93.8
GE 600	83.7	85.7	87.6	89.3	91.2	92.5	93.1	93.6	93.8	93.8	93.8	93.9	94.0	94.0	94.2	94.6
GE 500	83.7	85.8	87.8	89.5	91.6	93.2	94.0	94.7	95.0	95.0	95.0	95.1	95.2	95.2	95.5	95.8
GE 400	83.7	85.8	87.8	89.5	91.8	93.7	94.7	95.6	96.0	96.0	96.0	96.0	96.1	96.2	96.5	96.8
GE 300	83.7	85.8	87.8	89.5	91.9	93.8	95.2	96.6	97.2	97.2	97.2	97.4	97.4	97.7	97.9	98.3
GE 200	83.7	85.8	87.8	89.6	91.9	94.0	95.4	97.0	97.6	97.7	97.7	97.9	98.0	98.1	98.5	99.6
GE 100	83.7	85.8	87.8	89.6	91.9	94.0	95.4	97.0	97.6	97.7	97.7	97.9	98.1	98.2	98.6	100.0
GE 000	83.7	85.8	87.8	89.6	91.9	94.0	95.4	97.0	97.6	97.7	97.7	97.9	98.1	98.2	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1511

D - 2 - 30

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.1	43.3	43.5	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 20000	48.2	48.7	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 18000	48.2	48.7	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 16000	48.2	48.7	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 14000	48.6	49.1	49.4	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 12000	50.1	50.7	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 10000	53.3	53.9	54.3	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 9000	54.5	55.2	55.5	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 8000	58.4	59.3	59.7	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 7000	60.0	61.1	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 6000	60.8	61.8	62.4	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 5000	63.1	64.2	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 4500	64.8	65.9	66.4	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 4000	69.1	70.2	70.7	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 3500	72.2	73.3	73.8	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 3000	75.3	76.5	77.1	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 2500	79.1	80.3	80.8	81.3	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 2000	82.0	83.2	83.9	84.5	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 1800	82.3	83.6	84.3	85.0	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 1500	84.2	85.6	86.4	87.2	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1200	87.1	88.8	89.7	90.9	91.5	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 1000	87.7	89.6	90.8	92.1	92.8	93.1	93.2	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4
GE 900	88.1	90.1	91.3	92.7	93.4	93.7	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 800	88.4	90.4	91.8	93.2	94.0	94.4	94.6	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9
GE 700	88.6	90.6	92.1	93.8	94.7	95.1	95.4	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8
GE 600	88.7	90.8	92.5	94.3	95.6	96.2	96.6	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0
GE 500	88.8	90.9	92.7	94.7	96.0	96.8	97.3	97.7	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0
GE 400	88.8	90.9	92.8	94.8	96.3	97.2	97.8	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 300	88.8	90.9	92.8	94.8	96.3	97.3	97.9	98.8	99.0	99.2	99.2	99.3	99.4	99.5	99.6	99.6
GE 200	88.8	90.9	92.8	94.8	96.3	97.3	97.9	98.8	99.1	99.3	99.3	99.4	99.6	99.7	99.9	99.9
GE 100	88.8	90.9	92.8	94.8	96.3	97.3	97.9	98.8	99.1	99.3	99.3	99.4	99.6	99.7	99.9	99.9
GE 000	88.9	91.1	92.9	94.9	96.4	97.4	98.1	98.9	99.2	99.4	99.4	99.5	99.7	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1800

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: APR HOURS: 12-14

CEILING IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 20000	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 18000	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 16000	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 14000	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 12000	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 10000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 9000	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 8000	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 7000	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 6000	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 5000	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 4500	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 4000	72.8	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 3500	77.3	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 3000	80.1	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 2500	83.8	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 2000	85.9	86.3	86.6	86.8	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 1800	86.5	86.9	87.3	87.5	87.8	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 1500	88.7	89.1	89.6	89.9	90.6	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 1200	90.8	91.4	92.1	92.8	93.7	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 1000	91.2	91.8	92.6	93.6	94.6	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 900	91.7	92.4	93.3	94.4	95.7	95.9	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 800	91.8	92.6	93.5	94.6	96.2	96.6	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 700	91.8	92.6	93.6	94.7	96.6	97.1	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 600	91.8	92.6	93.7	95.0	96.9	97.4	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 500	91.8	92.6	93.7	95.0	97.1	97.6	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 400	91.8	92.6	93.7	95.0	97.1	97.8	98.4	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	91.8	92.6	93.7	95.0	97.1	97.8	98.7	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	91.8	92.6	93.7	95.0	97.1	97.8	98.7	99.3	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0
GE 100	91.8	92.6	93.7	95.0	97.1	97.8	98.7	99.3	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0
GE 000	91.8	92.6	93.7	95.0	97.1	97.8	98.7	99.3	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1800

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 20000	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 18000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 16000	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 14000	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 12000	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 10000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 9000	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 8000	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 7000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 6000	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 5000	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 4500	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 4000	75.9	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 3500	79.4	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 3000	82.3	82.4	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 2500	84.6	84.9	85.3	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 2000	85.8	86.2	86.6	86.9	87.2	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 1800	86.4	86.9	87.4	87.8	88.0	88.0	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 1500	88.6	89.1	89.9	90.6	91.2	91.4	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 1200	90.5	91.0	91.9	93.0	93.8	94.2	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1000	90.9	91.4	92.6	93.6	94.6	95.0	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 900	91.2	91.8	92.9	94.1	95.1	95.6	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 800	91.4	92.0	93.3	94.6	95.6	96.1	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 700	91.5	92.2	93.5	94.8	95.9	96.4	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 600	91.5	92.2	93.6	94.9	96.1	96.6	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 500	91.6	92.2	93.6	95.0	96.2	96.8	97.2	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 400	91.6	92.3	93.7	95.2	96.4	97.2	97.7	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.8	98.8
GE 300	91.7	92.4	93.8	95.3	96.7	97.5	98.1	99.2	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5
GE 200	91.7	92.4	93.8	95.3	96.7	97.5	98.1	99.2	99.3	99.4	99.5	99.5	99.6	99.7	99.7	99.7
GE 100	91.7	92.4	93.8	95.3	96.7	97.5	98.1	99.2	99.3	99.4	99.5	99.5	99.6	99.7	99.7	99.7
GE 000	91.7	92.4	93.8	95.3	96.7	97.5	98.1	99.2	99.3	99.4	99.5	99.5	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1800



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: APR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.5	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 20000	53.9	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 18000	54.2	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 16000	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.5	54.5
GE 14000	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8
GE 12000	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2
GE 10000	58.5	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 9000	60.0	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3
GE 8000	63.3	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 7000	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3
GE 6000	65.9	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 5000	70.2	70.5	70.7	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0
GE 4500	73.5	73.8	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 4000	76.6	76.9	77.4	77.8	77.8	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 3500	78.7	78.9	79.5	79.8	79.9	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2
GE 3000	80.8	81.2	81.8	82.3	82.5	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 2500	82.3	82.6	83.3	84.0	84.3	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7
GE 2000	84.0	84.4	85.1	85.9	86.3	86.4	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.8
GE 1800	84.6	85.0	85.7	86.4	86.9	87.1	87.2	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 1500	86.9	87.4	88.5	89.7	90.3	90.6	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0
GE 1200	88.3	89.2	90.6	92.2	93.2	93.6	93.8	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2
GE 1000	88.9	89.7	91.2	93.0	94.2	94.7	94.9	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 900	89.1	90.1	91.7	93.6	94.8	95.3	95.6	95.7	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0
GE 800	89.2	90.2	91.8	93.8	95.1	95.8	96.0	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.5	96.5
GE 700	89.3	90.3	92.1	94.1	95.6	96.2	96.6	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.2
GE 600	89.3	90.3	92.1	94.1	95.8	96.6	97.0	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.6	97.7
GE 500	89.3	90.4	92.2	94.2	96.0	96.9	97.4	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.1	98.2
GE 400	89.4	90.4	92.2	94.3	96.1	97.1	97.8	98.2	98.3	98.4	98.5	98.5	98.5	98.5	98.6	98.7
GE 300	89.4	90.4	92.2	94.3	96.2	97.2	97.8	98.5	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.2
GE 200	89.4	90.4	92.2	94.3	96.2	97.2	97.8	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.4	99.5
GE 100	89.4	90.4	92.2	94.4	96.2	97.2	97.9	98.6	99.1	99.3	99.4	99.5	99.5	99.5	99.7	99.8
GE 000	89.4	90.4	92.2	94.4	96.2	97.2	97.9	98.6	99.1	99.3	99.4	99.5	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1800

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.9	50.1	50.2	50.3	50.3	50.3	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.6	50.7
GE 20000	55.8	56.0	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.5	56.6
GE 18000	56.0	56.2	56.3	56.4	56.4	56.4	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.7	56.8
GE 16000	56.0	56.2	56.3	56.4	56.4	56.4	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.7	56.8
GE 14000	56.2	56.4	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.9	57.0
GE 12000	57.2	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.9	58.0
GE 10000	59.7	59.9	59.9	60.1	60.1	60.1	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.4	60.5
GE 9000	60.8	61.0	61.1	61.2	61.2	61.2	61.3	61.3	61.3	61.4	61.4	61.4	61.5	61.5	61.5	61.7
GE 8000	64.1	64.3	64.3	64.5	64.5	64.5	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.8	64.9
GE 7000	65.5	65.8	65.8	66.0	66.0	66.0	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.3	66.4
GE 6000	67.1	67.4	67.6	67.8	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.2	68.3
GE 5000	70.5	71.0	71.2	71.4	71.5	71.5	71.6	71.6	71.6	71.7	71.7	71.7	71.8	71.8	71.8	72.0
GE 4500	72.8	73.4	73.7	73.9	74.0	74.0	74.1	74.1	74.1	74.2	74.2	74.2	74.3	74.3	74.3	74.5
GE 4000	75.3	75.9	76.3	76.6	76.7	76.7	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.1	77.2
GE 3500	77.4	78.0	78.4	78.7	78.9	78.9	79.0	79.0	79.0	79.1	79.1	79.1	79.2	79.2	79.2	79.4
GE 3000	79.8	80.4	81.1	81.4	81.6	81.6	81.8	81.8	81.8	81.9	81.9	81.9	82.0	82.0	82.0	82.2
GE 2500	81.2	81.9	82.7	83.0	83.2	83.2	83.4	83.4	83.4	83.5	83.5	83.5	83.6	83.6	83.6	83.6
GE 2000	82.8	83.6	84.7	85.1	85.5	85.5	85.7	85.7	85.7	85.8	85.8	85.8	85.9	85.9	85.9	86.1
GE 1800	83.2	84.1	85.2	85.7	86.2	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.7	86.8
GE 1500	85.1	86.1	87.5	88.1	89.1	89.2	89.6	89.7	89.7	89.8	89.8	89.8	89.9	89.9	89.9	90.1
GE 1200	86.7	87.9	89.6	90.5	91.6	92.0	92.5	92.6	92.6	92.7	92.7	92.7	92.8	92.8	92.8	93.0
GE 1000	87.1	88.4	90.2	91.3	92.8	93.2	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.1	94.2
GE 900	87.5	89.0	90.8	92.1	93.6	94.1	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.3	95.4
GE 800	87.6	89.1	91.2	92.4	94.0	94.6	95.4	95.6	95.6	95.6	95.6	95.6	95.8	95.8	95.8	96.0
GE 700	87.7	89.3	91.4	92.7	94.4	95.0	95.8	96.0	96.0	96.1	96.1	96.1	96.2	96.2	96.3	96.4
GE 600	87.8	89.3	91.6	93.0	94.6	95.2	96.2	96.4	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.8
GE 500	87.8	89.4	91.6	93.0	94.7	95.3	96.2	96.5	96.5	96.6	96.6	96.6	96.8	96.8	96.8	97.0
GE 400	87.8	89.4	91.7	93.2	95.0	95.9	97.3	97.8	97.8	97.9	97.9	97.9	98.1	98.1	98.2	98.3
GE 300	87.8	89.4	91.7	93.2	95.0	96.0	97.5	98.1	98.4	98.5	98.5	98.5	98.7	98.7	98.8	98.9
GE 200	87.8	89.4	91.7	93.2	95.0	96.0	97.5	98.2	98.6	98.7	98.9	98.9	99.1	99.1	99.2	99.3
GE 100	87.8	89.4	91.7	93.2	95.0	96.0	97.5	98.3	98.9	99.1	99.3	99.3	99.5	99.7	99.7	99.9
GE 000	87.8	89.4	91.7	93.2	95.0	96.0	97.5	98.3	98.9	99.1	99.3	99.3	99.5	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1492

D - 2 - 35

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.0	45.2	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.6
GE 20000	50.8	51.1	51.2	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5
GE 18000	50.9	51.2	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.7
GE 16000	51.0	51.3	51.4	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.7
GE 14000	51.3	51.5	51.7	51.7	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.0
GE 12000	52.6	52.8	53.0	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.3
GE 10000	55.3	55.6	55.8	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.1
GE 9000	56.5	56.8	57.0	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3
GE 8000	60.3	60.7	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.3
GE 7000	61.8	62.2	62.4	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.9
GE 6000	63.3	63.8	64.0	64.2	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5
GE 5000	66.6	67.1	67.4	67.6	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.9
GE 4500	69.3	69.8	70.2	70.4	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.8
GE 4000	73.1	73.7	74.1	74.4	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.8
GE 3500	75.9	76.5	76.9	77.2	77.3	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.6
GE 3000	78.4	79.0	79.5	79.8	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.3	80.3	80.4
GE 2500	80.9	81.7	82.2	82.6	82.9	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2
GE 2000	83.0	83.8	84.4	85.0	85.3	85.5	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8
GE 1800	83.4	84.3	85.0	85.6	86.0	86.1	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.5
GE 1500	85.3	86.3	87.2	87.9	88.6	88.8	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.3
GE 1200	87.2	88.4	89.5	90.6	91.5	91.9	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.5
GE 1000	87.7	88.9	90.2	91.4	92.5	93.0	93.3	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.7
GE 900	88.1	89.4	90.7	92.0	93.2	93.7	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.6
GE 800	88.3	89.6	91.2	92.5	93.8	94.4	94.9	95.1	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.4
GE 700	88.4	89.8	91.4	92.9	94.4	95.0	95.5	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.1	96.2
GE 600	88.4	89.8	91.5	93.1	94.7	95.4	96.0	96.4	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.8
GE 500	88.5	89.9	91.6	93.3	95.0	95.9	96.6	97.0	97.2	97.2	97.2	97.2	97.3	97.3	97.4	97.5
GE 400	88.5	89.9	91.7	93.4	95.2	96.2	97.1	97.7	97.9	98.0	98.0	98.0	98.1	98.2	98.2	98.3
GE 300	88.5	90.0	91.7	93.5	95.3	96.4	97.3	98.2	98.5	98.6	98.7	98.7	98.8	98.9	99.0	99.1
GE 200	88.5	90.0	91.7	93.5	95.3	96.4	97.4	98.3	98.6	98.8	98.9	99.0	99.1	99.3	99.4	99.6
GE 100	88.5	90.0	91.7	93.5	95.3	96.4	97.4	98.3	98.7	98.8	99.0	99.1	99.2	99.4	99.6	99.9
GE 000	88.5	90.0	91.8	93.5	95.3	96.4	97.4	98.3	98.7	98.9	99.0	99.1	99.3	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 11467

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY HOURS: 00-02

CEILING IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.8	44.7	45.3	45.6	45.8	45.8	46.1	46.1	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.9
GE 20000	45.6	46.6	47.2	47.5	47.6	47.6	47.9	47.9	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.7
GE 18000	45.6	46.6	47.2	47.5	47.6	47.6	47.9	47.9	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.7
GE 16000	45.6	46.6	47.2	47.5	47.6	47.6	47.9	47.9	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.7
GE 14000	46.6	47.5	48.1	48.4	48.5	48.5	48.9	48.9	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.6
GE 12000	47.3	48.2	48.9	49.2	49.3	49.3	49.6	49.6	49.8	49.9	49.9	49.9	49.9	49.9	49.9	50.4
GE 10000	50.5	52.1	52.7	53.1	53.3	53.3	53.8	53.8	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.5
GE 9000	51.1	52.7	53.3	53.8	53.9	53.9	54.4	54.4	54.5	54.7	54.7	54.7	54.7	54.7	54.7	55.1
GE 8000	55.7	57.4	58.0	58.5	58.7	58.7	59.1	59.1	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.9
GE 7000	59.0	60.6	61.3	61.7	62.0	62.0	62.5	62.5	62.6	62.8	62.8	62.8	62.8	62.8	62.8	63.2
GE 6000	60.6	62.3	62.9	63.4	63.7	63.7	64.2	64.2	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.9
GE 5000	64.9	66.8	67.4	67.8	68.1	68.1	68.6	68.6	68.8	68.9	68.9	68.9	68.9	68.9	68.9	69.4
GE 4500	65.1	66.9	67.5	68.0	68.3	68.3	68.8	68.8	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.5
GE 4000	66.8	68.6	69.4	70.1	70.6	70.8	71.2	71.2	71.4	71.5	71.5	71.5	71.8	71.8	71.8	72.3
GE 3500	68.5	70.3	71.1	72.0	72.4	72.6	73.0	73.0	73.2	73.4	73.4	73.4	73.7	73.7	73.7	74.1
GE 3000	69.8	71.7	72.4	73.5	74.3	74.4	75.0	75.0	75.2	75.3	75.3	75.3	75.7	75.7	75.7	76.1
GE 2500	70.9	72.9	73.8	75.0	75.8	76.1	76.9	76.9	77.0	77.2	77.2	77.2	77.5	77.5	77.5	77.9
GE 2000	73.5	75.8	76.7	77.9	78.7	79.0	79.8	79.8	79.9	80.1	80.1	80.1	80.4	80.4	80.4	80.9
GE 1800	74.0	76.3	77.2	78.4	79.2	79.6	80.4	80.4	80.6	80.7	80.7	80.7	81.0	81.0	81.0	81.5
GE 1500	75.0	77.3	78.3	79.8	80.6	81.2	81.9	81.9	82.1	82.2	82.2	82.2	82.5	82.5	82.5	83.0
GE 1200	77.9	80.7	82.2	84.2	85.3	86.1	86.8	86.8	87.0	87.1	87.1	87.1	87.4	87.4	87.4	87.9
GE 1000	78.3	81.2	82.8	85.1	86.2	87.0	87.9	87.9	88.1	88.2	88.2	88.2	88.5	88.5	88.5	89.0
GE 900	78.9	81.8	83.5	86.7	88.2	89.0	90.0	90.0	90.2	90.4	90.4	90.4	90.7	90.7	90.7	91.1
GE 800	79.2	82.4	84.2	87.7	89.9	91.0	92.0	92.0	92.2	92.5	92.5	92.5	92.8	92.8	92.8	93.3
GE 700	79.3	82.5	84.7	88.4	90.5	91.9	93.1	93.1	93.3	93.6	93.6	93.6	93.9	93.9	93.9	94.3
GE 600	79.3	82.7	84.8	88.7	91.3	92.6	93.9	93.9	94.0	94.3	94.3	94.3	94.6	94.6	94.6	95.4
GE 500	79.3	82.7	85.3	89.4	92.3	93.7	94.9	94.9	95.1	95.4	95.4	95.4	95.9	95.9	96.2	96.6
GE 400	79.3	82.7	85.3	89.4	92.6	94.0	95.6	95.7	95.9	96.2	96.3	96.3	96.8	96.8	97.1	97.7
GE 300	79.3	82.7	85.3	89.6	92.8	94.2	95.9	96.2	96.3	96.6	96.8	96.8	97.4	97.4	97.7	98.3
GE 200	79.3	82.7	85.3	89.6	92.8	94.2	95.9	96.3	96.5	96.8	97.1	97.1	98.2	98.2	98.5	99.2
GE 100	79.3	82.7	85.3	89.6	92.8	94.2	95.9	96.3	96.5	96.8	97.2	97.4	98.6	98.6	99.1	99.8
GE 000	79.3	82.7	85.3	89.6	92.8	94.2	95.9	96.3	96.5	96.8	97.2	97.4	98.6	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 653

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 1/8
NO CEIL	37.3	38.2	39.2	40.6	41.1	41.1	41.2	41.4	41.4	41.4	41.4	41.4	41.5	41.5	41.5	41.5
GE 20000	40.8	42.0	43.5	45.0	45.8	45.8	46.0	46.1	46.1	46.1	46.1	46.1	46.3	46.3	46.3	46.3
GE 18000	40.8	42.0	43.5	45.0	45.8	45.8	46.0	46.1	46.1	46.1	46.1	46.1	46.3	46.3	46.3	46.3
GE 16000	40.8	42.0	43.5	45.0	45.8	45.8	46.0	46.1	46.1	46.1	46.1	46.1	46.3	46.3	46.3	46.3
GE 14000	41.4	42.6	44.1	45.6	46.4	46.4	46.6	46.7	46.7	46.7	46.7	46.7	46.9	46.9	46.9	46.9
GE 12000	42.7	44.0	45.5	47.0	47.8	47.8	47.9	48.1	48.1	48.1	48.1	48.1	48.2	48.2	48.2	48.2
GE 10000	46.3	47.8	49.5	51.5	52.8	52.8	53.0	53.4	53.4	53.4	53.4	53.4	53.6	53.6	53.6	53.6
GE 9000	47.9	49.5	51.1	53.1	54.5	54.8	55.0	55.4	55.4	55.4	55.4	55.4	55.6	55.6	55.6	55.6
GE 8000	50.5	52.4	54.0	56.0	57.4	57.7	57.9	58.3	58.3	58.3	58.3	58.3	58.5	58.5	58.5	58.5
GE 7000	53.9	55.7	57.4	59.4	60.8	61.1	61.2	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8
GE 6000	55.4	57.4	59.1	61.1	62.4	62.7	62.9	63.5	63.5	63.5	63.5	63.5	63.7	63.7	63.7	63.7
GE 5000	57.6	59.5	61.4	63.4	64.7	65.0	65.2	65.8	65.8	65.8	65.8	65.8	66.0	66.0	66.0	66.0
GE 4500	58.0	60.0	62.0	64.1	65.5	66.0	66.1	66.7	66.7	66.7	66.7	66.7	66.9	66.9	66.9	66.9
GE 4000	59.5	61.7	63.7	65.8	67.9	68.5	68.7	69.3	69.3	69.3	69.3	69.3	69.5	69.5	69.5	69.5
GE 3500	60.8	62.9	65.2	67.3	69.8	70.4	70.5	71.1	71.1	71.1	71.1	71.1	71.3	71.3	71.3	71.3
GE 3000	61.7	63.8	66.6	68.7	71.3	71.9	72.1	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8
GE 2500	62.9	65.0	67.8	70.1	72.7	73.3	73.6	74.2	74.2	74.2	74.2	74.2	74.4	74.4	74.4	74.4
GE 2000	65.2	67.6	70.5	73.1	75.9	76.5	76.9	77.6	77.6	77.7	77.7	77.7	77.9	77.9	77.9	77.9
GE 1800	65.3	67.9	70.8	73.4	76.2	76.8	77.4	78.0	78.0	78.2	78.2	78.2	78.3	78.3	78.3	78.3
GE 1500	66.6	69.3	72.4	75.0	78.0	78.9	79.5	80.2	80.2	80.3	80.3	80.3	80.5	80.5	80.5	80.5
GE 1200	67.3	70.5	74.2	77.1	80.3	81.4	82.4	83.1	83.1	83.2	83.4	83.4	83.5	83.5	83.5	83.5
GE 1000	68.5	71.9	75.9	79.2	83.1	84.1	85.3	86.0	86.0	86.1	86.3	86.3	86.4	86.4	86.4	86.4
GE 900	68.5	72.1	76.0	79.7	83.8	85.0	86.3	86.9	86.9	87.0	87.2	87.2	87.3	87.3	87.3	87.3
GE 800	69.0	72.7	76.8	81.1	85.3	86.6	88.1	88.7	88.7	88.9	89.0	89.0	89.2	89.2	89.3	89.3
GE 700	69.2	72.8	77.1	81.5	85.8	87.0	88.5	89.3	89.3	89.5	89.6	89.6	89.8	89.8	89.9	89.9
GE 600	69.2	72.8	77.3	82.0	86.4	87.8	89.3	90.1	90.1	90.2	90.4	90.4	90.5	90.5	90.5	90.5
GE 500	69.2	72.8	77.3	82.6	87.6	89.0	91.3	92.5	92.8	93.0	93.1	93.1	93.3	93.3	93.4	93.4
GE 400	69.3	73.0	77.6	82.9	88.2	89.6	92.5	93.9	94.2	94.4	94.5	94.5	94.7	94.7	94.7	94.7
GE 300	69.3	73.1	77.7	83.1	88.5	90.1	93.4	95.1	95.4	95.9	96.5	96.5	96.6	96.6	97.7	97.7
GE 200	69.3	73.1	77.7	83.1	88.5	90.1	93.4	95.1	95.4	96.2	96.8	96.8	96.9	97.1	98.5	98.5
GE 100	69.3	73.1	77.7	83.1	88.5	90.1	93.4	95.1	95.4	96.2	96.8	96.8	96.9	97.1	98.6	98.6
GE 000	69.3	73.1	77.7	83.1	88.5	90.1	93.4	95.1	95.4	96.2	96.8	96.8	96.9	97.1	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 655

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.1	39.8	40.7	41.4	41.8	42.1	42.2	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.6
GE 20000	45.3	46.4	47.5	48.3	48.9	49.2	49.3	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.7
GE 18000	45.3	46.4	47.5	48.3	48.9	49.2	49.3	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.7
GE 16000	45.3	46.4	47.5	48.3	48.9	49.2	49.3	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.7
GE 14000	45.8	46.8	48.0	48.7	49.3	49.6	49.8	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.1
GE 12000	46.8	47.9	49.1	49.9	50.7	51.0	51.2	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.5
GE 10000	49.9	51.3	52.7	53.6	54.6	54.9	55.0	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.4
GE 9000	50.9	52.3	53.8	54.7	55.7	56.1	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.6
GE 8000	54.5	56.0	57.5	58.4	59.5	59.9	60.0	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.4
GE 7000	55.8	57.4	58.9	59.9	60.9	61.3	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.9
GE 6000	57.1	58.7	60.3	61.3	62.4	62.8	63.0	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.4
GE 5000	59.0	60.7	62.4	63.3	64.4	64.9	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.6
GE 4500	59.7	61.4	63.2	64.2	65.4	65.9	66.1	66.2	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.6
GE 4000	61.8	63.7	65.6	66.6	68.0	68.4	68.7	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.3
GE 3500	63.0	64.8	66.9	68.1	69.5	70.1	70.3	70.5	70.6	70.8	70.8	70.8	70.8	70.8	70.8	71.1
GE 3000	64.1	66.0	68.2	69.4	70.8	71.5	71.7	71.9	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.4
GE 2500	65.5	67.4	69.7	71.0	72.5	73.2	73.5	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9	74.1
GE 2000	67.1	69.1	71.5	73.1	74.6	75.3	75.6	75.8	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.3
GE 1800	67.6	69.7	72.1	73.8	75.3	76.1	76.4	76.6	76.7	76.9	76.9	76.9	76.9	76.9	76.9	77.1
GE 1500	70.0	72.1	74.6	76.5	78.2	79.1	79.4	79.6	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.2
GE 1200	71.7	74.3	77.1	79.3	81.3	82.2	82.8	83.0	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.5
GE 1000	72.9	75.7	79.0	81.3	84.0	85.1	85.9	86.3	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.9
GE 900	73.2	76.2	79.7	82.1	84.9	86.1	87.0	87.3	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.9
GE 800	73.5	76.6	80.5	83.5	86.6	88.0	88.9	89.4	89.6	89.8	89.8	89.8	89.8	89.8	89.8	90.1
GE 700	73.8	77.0	81.3	84.8	88.7	90.2	91.2	91.7	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.3
GE 600	73.8	77.0	81.6	85.4	89.6	91.3	92.3	92.9	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.5
GE 500	73.9	77.1	81.9	85.8	90.5	92.6	94.1	94.8	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.6
GE 400	73.9	77.1	81.9	85.8	91.0	93.4	95.4	96.3	96.9	97.2	97.2	97.2	97.3	97.4	97.4	97.6
GE 300	73.9	77.1	81.9	85.8	91.0	93.7	96.1	97.1	97.8	98.2	98.3	98.3	98.3	98.5	98.5	98.9
GE 200	73.9	77.1	81.9	85.8	91.0	93.7	96.1	97.2	98.0	98.4	98.5	98.5	98.7	98.9	98.9	99.5
GE 100	73.9	77.1	81.9	85.8	91.0	93.7	96.1	97.3	98.1	98.5	98.6	98.6	98.8	99.1	99.1	99.9
GE 000	73.9	77.1	81.9	85.8	91.0	93.7	96.1	97.3	98.1	98.5	98.6	98.6	98.8	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 1857

D - 2 - 39

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.8	43.7	44.3	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 20000	49.8	50.8	51.5	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 18000	49.9	50.9	51.6	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 16000	50.1	51.0	51.7	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 14000	50.7	51.6	52.4	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 12000	52.4	53.3	54.2	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 10000	56.0	56.9	58.0	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 9000	56.8	57.7	58.8	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 8000	59.6	60.6	61.8	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 7000	60.4	61.5	62.7	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 6000	61.5	62.6	63.9	64.4	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 5000	62.8	63.9	65.3	65.8	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 4500	64.4	65.4	66.8	67.3	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 4000	66.8	67.9	69.3	69.8	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 3500	69.1	70.2	71.6	72.2	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 3000	72.5	73.6	75.3	75.9	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 2500	74.2	75.3	77.2	77.8	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 2000	77.3	78.6	80.6	81.3	82.0	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 1800	78.0	79.4	81.5	82.2	82.8	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 1500	80.9	82.4	84.6	85.4	86.2	86.3	86.3	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 1200	83.8	85.6	88.2	89.4	90.4	90.5	90.6	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1000	84.7	86.6	89.6	91.1	92.1	92.3	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 900	85.0	87.0	90.1	91.9	93.1	93.4	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 800	85.1	87.2	90.4	92.4	93.8	94.2	94.4	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 700	85.4	87.6	91.0	93.2	94.8	95.3	95.5	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 600	85.4	87.9	91.4	93.8	95.7	96.5	97.0	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 500	85.4	87.9	91.5	94.0	96.2	97.4	98.0	98.4	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 400	85.5	88.0	91.5	94.2	96.5	98.0	98.8	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	85.5	88.0	91.5	94.2	96.5	98.0	98.9	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	85.5	88.0	91.5	94.2	96.5	98.0	98.9	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	85.5	88.0	91.5	94.2	96.5	98.0	98.9	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	85.5	88.0	91.5	94.2	96.5	98.0	98.9	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.3	42.2	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 20000	48.1	48.9	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 18000	48.3	49.1	49.3	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 16000	48.3	49.1	49.3	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 14000	49.5	50.3	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 12000	51.3	52.2	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 10000	54.6	55.4	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 9000	55.2	56.0	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 8000	59.5	60.4	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 7000	61.0	62.1	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 6000	61.7	62.7	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 5000	64.4	65.5	66.0	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 4500	67.2	68.3	68.8	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 4000	72.3	73.5	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 3500	76.3	77.6	78.1	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 3000	79.6	80.9	81.5	81.7	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 2500	81.6	83.0	83.5	83.9	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 2000	84.9	86.4	87.2	87.5	87.8	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 1800	85.3	86.8	87.6	88.0	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 1500	86.8	88.4	89.5	90.2	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 1200	88.5	90.2	91.7	92.5	93.3	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1000	89.2	90.9	92.7	93.7	94.5	94.8	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 900	89.6	91.4	93.2	94.5	95.3	95.6	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 800	90.0	91.8	93.8	95.2	96.1	96.5	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 700	90.3	92.1	94.2	95.8	97.1	97.6	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 600	90.5	92.3	94.4	96.1	97.5	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	90.5	92.3	94.4	96.3	97.7	98.4	98.9	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	90.5	92.3	94.5	96.3	97.8	98.5	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	90.5	92.3	94.5	96.3	97.8	98.5	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	90.5	92.3	94.5	96.3	97.8	98.5	99.1	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.5	92.3	94.5	96.3	97.8	98.5	99.1	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	90.5	92.3	94.5	96.3	97.8	98.5	99.1	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1860



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.7	41.9	42.1	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 20000	48.1	48.4	48.6	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 18000	48.1	48.5	48.7	48.8	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 16000	48.1	48.5	48.7	48.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 14000	49.0	49.4	49.6	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 12000	51.8	52.4	52.5	52.7	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 10000	55.3	56.0	56.1	56.3	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 9000	56.9	57.5	57.7	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 8000	61.2	61.9	62.1	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 7000	63.3	64.1	64.3	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 6000	65.7	66.5	66.7	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 5000	70.0	70.8	71.1	71.6	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 4500	73.7	74.5	74.8	75.4	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 4000	77.7	78.5	78.9	79.5	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 3500	80.4	81.3	81.7	82.3	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 3000	82.8	83.8	84.2	84.8	85.2	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 2500	84.4	85.5	86.0	86.7	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 2000	86.1	87.4	88.1	89.0	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 1800	86.7	88.2	88.9	89.7	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 1500	87.7	89.2	90.2	91.1	91.8	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 1200	89.5	91.0	92.4	93.8	94.8	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1000	89.8	91.3	93.0	94.7	95.9	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 900	89.9	91.5	93.1	94.9	96.1	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 800	89.9	91.6	93.3	95.2	96.6	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 700	90.2	91.8	93.8	95.7	97.4	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 600	90.3	91.9	93.9	96.0	98.0	98.3	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	90.3	91.9	93.9	96.0	98.3	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	90.3	91.9	93.9	96.0	98.3	98.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	90.3	91.9	93.9	96.0	98.4	98.9	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	90.3	91.9	93.9	96.0	98.4	98.9	99.3	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
GE 100	90.3	91.9	93.9	96.0	98.4	98.9	99.3	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
GE 000	90.3	91.9	93.9	96.1	98.4	99.0	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.5	44.9	45.0	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 20000	51.1	51.8	52.2	52.3	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 18000	51.1	51.8	52.2	52.3	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 16000	51.1	51.8	52.2	52.3	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 14000	51.9	52.5	53.0	53.1	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 12000	53.4	54.1	54.6	54.7	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 10000	58.0	58.6	59.1	59.4	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 9000	59.3	59.9	60.5	60.8	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 8000	63.4	64.2	64.8	65.3	65.6	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.3	65.8
GE 7000	65.6	66.5	67.2	67.6	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 6000	67.8	68.7	69.5	70.1	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 5000	71.1	72.2	72.9	73.6	74.0	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 4500	73.8	74.8	75.6	76.3	76.8	76.8	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 4000	76.5	77.7	78.7	79.4	79.9	79.9	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 3500	78.1	79.2	80.3	81.1	81.6	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 3000	80.2	81.5	82.7	83.5	84.1	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 2500	81.8	83.1	84.4	85.3	85.8	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 2000	83.5	84.9	86.3	87.4	88.3	88.4	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 1800	83.8	85.2	86.7	87.9	88.9	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1500	85.0	86.5	88.2	89.6	90.7	90.8	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1200	86.5	88.1	90.2	92.2	93.8	94.0	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1000	87.3	89.2	91.4	93.6	95.4	95.7	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 900	87.4	89.3	91.7	94.0	96.0	96.4	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 800	87.5	89.4	91.9	94.4	96.5	96.8	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 700	87.6	89.5	92.0	94.6	96.9	97.4	98.0	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 600	87.6	89.5	92.0	94.6	97.1	97.6	98.2	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 500	87.6	89.5	92.0	94.6	97.2	97.8	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	87.6	89.5	92.0	94.6	97.2	98.0	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	87.6	89.5	92.0	94.6	97.3	98.2	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	87.6	89.5	92.0	94.6	97.3	98.2	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 100	87.6	89.5	92.0	94.6	97.3	98.2	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 000	87.6	89.5	92.0	94.6	97.3	98.2	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.0	46.7	47.1	47.1	47.2	47.2	47.3	47.3	47.3	47.4	47.5	47.5	47.5	47.5	47.5	47.5
GE 20000	50.2	51.1	51.6	51.6	51.7	51.7	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 18000	50.3	51.2	51.6	51.7	51.8	51.8	52.0	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1
GE 16000	50.3	51.2	51.6	51.7	51.8	51.8	52.0	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1
GE 14000	50.7	51.6	52.0	52.1	52.2	52.2	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5
GE 12000	51.9	52.8	53.3	53.3	53.4	53.4	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 10000	54.9	55.9	56.5	56.5	56.7	56.7	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0
GE 9000	55.6	56.6	57.3	57.3	57.5	57.5	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 8000	60.2	61.4	62.3	62.4	62.7	62.7	62.8	62.8	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0
GE 7000	63.1	64.3	65.3	65.5	65.9	65.9	66.0	66.0	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2
GE 6000	64.4	65.7	66.7	66.9	67.2	67.2	67.4	67.4	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6
GE 5000	68.5	69.9	70.8	71.2	71.5	71.5	71.6	71.7	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9
GE 4500	70.1	71.5	72.4	72.8	73.1	73.1	73.3	73.3	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5
GE 4000	72.3	73.7	75.1	75.7	76.3	76.3	76.5	76.6	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8
GE 3500	73.4	74.9	76.3	77.0	77.6	77.7	77.9	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 3000	76.3	78.0	79.8	80.5	81.1	81.2	81.4	81.6	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8
GE 2500	77.5	79.4	81.2	81.9	82.7	82.7	83.0	83.1	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3
GE 2000	79.0	81.0	83.1	83.9	84.6	84.7	84.9	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2
GE 1800	79.8	81.8	83.9	84.7	85.5	85.5	85.8	85.9	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1
GE 1500	80.9	83.1	85.5	86.4	87.6	87.7	88.0	88.1	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3
GE 1200	82.9	85.3	88.4	89.8	91.2	91.6	91.8	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1
GE 1000	83.6	86.2	89.5	91.2	92.6	92.9	93.3	93.4	93.4	93.5	93.6	93.6	93.6	93.6	93.6	93.6
GE 900	84.4	87.0	90.6	92.5	94.1	94.5	94.9	95.0	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2
GE 800	84.5	87.1	90.7	92.7	94.6	95.0	95.5	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8
GE 700	84.6	87.2	90.9	93.3	95.3	95.7	96.4	96.5	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7
GE 600	84.7	87.4	91.1	93.5	96.1	96.5	97.2	97.3	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6
GE 500	85.0	87.6	91.4	93.9	96.7	97.3	98.0	98.3	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6
GE 400	85.0	87.6	91.5	94.0	96.9	97.6	98.3	98.6	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 300	85.0	87.6	91.5	94.0	97.0	97.7	98.4	98.8	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.3
GE 200	85.0	87.6	91.5	94.0	97.1	97.8	98.5	99.0	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.8
GE 100	85.0	87.6	91.5	94.0	97.1	97.8	98.5	99.0	99.3	99.4	99.7	99.7	99.8	99.8	99.8	100.0
GE 000	85.0	87.6	91.5	94.0	97.1	97.8	98.5	99.0	99.3	99.4	99.7	99.7	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1245

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.2	42.8	43.2	43.5	43.7	43.7	43.8	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 20000	48.1	48.9	49.5	49.8	50.0	50.1	50.2	50.2	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3
GE 18000	48.2	49.0	49.6	49.9	50.1	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4
GE 16000	48.2	49.0	49.6	49.9	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.4	50.4
GE 14000	48.9	49.7	50.3	50.6	50.9	50.9	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 12000	50.6	51.4	52.0	52.4	52.7	52.7	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 10000	54.1	55.0	55.8	56.2	56.6	56.6	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.9
GE 9000	55.1	56.1	56.8	57.3	57.7	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.0
GE 8000	59.0	60.1	60.9	61.4	61.8	61.9	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2
GE 7000	60.9	62.1	62.9	63.5	63.9	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3
GE 6000	62.4	63.6	64.5	65.1	65.5	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.9	65.9	65.9	65.9
GE 5000	65.3	66.6	67.5	68.2	68.6	68.7	68.8	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 4500	67.3	68.6	69.6	70.2	70.7	70.8	70.9	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1
GE 4000	70.3	71.6	72.7	73.5	74.1	74.2	74.3	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.6
GE 3500	72.4	73.8	74.9	75.7	76.3	76.5	76.7	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9
GE 3000	74.8	76.2	77.5	78.3	79.1	79.3	79.4	79.5	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7
GE 2500	76.3	77.8	79.2	80.1	80.9	81.1	81.3	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.6
GE 2000	78.6	80.2	81.8	82.8	83.7	83.9	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.4
GE 1800	79.1	80.8	82.4	83.4	84.3	84.6	84.8	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.1
GE 1500	80.7	82.5	84.3	85.5	86.6	86.9	87.2	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.5
GE 1200	82.6	84.7	86.9	88.5	89.9	90.3	90.7	90.8	90.8	90.9	90.9	90.9	90.9	90.9	91.0	91.0
GE 1000	83.4	85.6	88.1	89.9	91.6	92.0	92.5	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.9
GE 900	83.7	85.9	88.6	90.7	92.4	93.0	93.5	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.9
GE 800	83.9	86.2	89.0	91.3	93.3	93.9	94.5	94.7	94.7	94.8	94.8	94.8	94.9	94.9	94.9	94.9
GE 700	84.1	86.4	89.5	92.0	94.3	95.0	95.6	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.1
GE 600	84.2	86.6	89.7	92.3	94.9	95.7	96.4	96.7	96.8	96.8	96.8	96.8	96.9	96.9	96.9	97.0
GE 500	84.2	86.6	89.8	92.6	95.4	96.4	97.2	97.6	97.8	97.9	97.9	97.9	97.9	97.9	98.0	98.0
GE 400	84.2	86.6	89.8	92.7	95.6	96.8	97.8	98.3	98.5	98.7	98.7	98.7	98.7	98.8	98.8	98.9
GE 300	84.2	86.6	89.8	92.7	95.7	96.9	98.0	98.6	98.9	99.1	99.1	99.1	99.2	99.2	99.3	99.4
GE 200	84.2	86.6	89.8	92.7	95.7	96.9	98.1	98.7	99.0	99.2	99.3	99.3	99.4	99.5	99.6	99.7
GE 100	84.2	86.6	89.8	92.7	95.7	96.9	98.1	98.7	99.0	99.2	99.4	99.4	99.5	99.6	99.7	99.9
GE 000	84.3	86.6	89.8	92.7	95.7	96.9	98.1	98.7	99.0	99.2	99.4	99.4	99.5	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 11850

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.8	41.0	43.4	44.5	46.6	47.5	48.0	49.1	49.3	49.4	49.6	49.6	50.2	50.2	50.4	50.7
GE 20000	42.6	44.2	46.9	48.2	50.4	51.3	51.8	53.2	53.4	53.6	53.7	53.7	54.4	54.4	54.5	54.8
GE 18000	42.6	44.2	46.9	48.2	50.4	51.3	51.8	53.2	53.4	53.6	53.7	53.7	54.4	54.4	54.5	54.8
GE 16000	42.6	44.2	46.9	48.2	50.4	51.3	51.8	53.2	53.4	53.6	53.7	53.7	54.4	54.4	54.5	54.8
GE 14000	43.1	44.7	47.4	48.7	50.9	51.8	52.3	53.7	53.9	54.0	54.2	54.2	54.8	54.8	55.0	55.3
GE 12000	44.1	45.6	48.5	49.8	52.0	52.9	53.4	54.8	55.0	55.2	55.3	55.3	55.9	55.9	56.1	56.4
GE 10000	46.0	47.5	50.4	51.7	53.9	55.0	55.5	56.9	57.1	57.2	57.4	57.4	58.0	58.0	58.2	58.5
GE 9000	46.8	48.5	51.3	52.6	54.8	55.9	56.4	57.8	58.0	58.2	58.3	58.3	59.0	59.0	59.1	59.4
GE 8000	49.4	51.3	54.2	55.8	58.0	59.1	59.6	61.0	61.2	61.3	61.5	61.5	62.1	62.1	62.3	62.6
GE 7000	50.4	52.5	55.3	56.9	59.1	60.4	60.9	62.3	62.6	62.8	62.9	62.9	63.5	63.5	63.7	64.0
GE 6000	51.8	54.2	57.2	58.8	61.2	62.4	62.9	64.3	64.7	64.8	65.0	65.0	65.6	65.6	65.8	66.1
GE 5000	52.6	55.0	58.0	59.7	62.3	63.5	64.0	65.5	65.8	65.9	66.1	66.1	66.7	66.7	66.9	67.2
GE 4500	53.1	55.5	58.5	60.2	62.9	64.2	64.7	66.1	66.4	66.6	66.7	66.7	67.4	67.4	67.5	67.8
GE 4000	53.9	56.3	59.3	61.0	63.7	65.0	65.5	66.9	67.5	67.7	67.8	67.8	68.5	68.5	68.6	68.9
GE 3500	54.4	56.7	59.7	61.5	64.2	65.5	65.9	67.4	68.0	68.1	68.3	68.3	68.9	68.9	69.1	69.4
GE 3000	55.0	57.4	60.5	62.3	65.1	66.4	66.9	68.3	68.9	69.1	69.3	69.3	69.9	69.9	70.0	70.4
GE 2500	55.5	58.0	61.3	63.5	66.6	67.8	68.5	69.9	70.5	70.7	70.8	70.8	71.5	71.5	71.6	71.9
GE 2000	57.2	60.2	63.9	66.2	69.6	71.0	71.8	73.2	74.0	74.2	74.3	74.3	75.0	75.0	75.1	75.4
GE 1800	57.8	60.9	64.5	66.9	70.4	71.8	72.6	74.0	74.8	75.0	75.1	75.1	75.8	75.8	75.9	76.2
GE 1500	59.0	62.4	66.2	68.8	72.4	73.9	74.8	76.2	77.0	77.2	77.3	77.3	78.0	78.0	78.1	78.4
GE 1200	61.8	65.5	70.4	72.9	77.3	79.2	80.3	81.8	82.6	82.7	82.9	82.9	83.5	83.5	83.7	84.0
GE 1000	62.9	66.7	71.6	74.3	78.9	81.0	82.4	83.8	84.6	84.8	84.9	84.9	85.6	85.6	85.7	86.1
GE 900	63.4	67.4	72.4	75.3	80.0	82.7	84.2	85.6	86.4	86.5	86.7	86.7	87.3	87.3	87.5	87.8
GE 800	64.8	68.9	74.3	77.7	82.6	85.9	87.6	89.1	89.9	90.0	90.2	90.2	90.8	90.8	91.0	91.3
GE 700	64.8	68.9	74.5	78.1	83.5	86.8	88.9	90.3	91.1	91.3	91.4	91.4	92.1	92.1	92.2	92.6
GE 600	65.0	69.1	74.6	78.4	84.5	88.1	90.2	91.6	92.4	92.6	92.7	92.7	93.3	93.3	93.5	93.8
GE 500	65.3	69.4	75.1	78.9	85.1	88.9	91.0	92.4	93.2	93.3	93.5	93.5	94.1	94.1	94.3	94.6
GE 400	65.3	69.4	75.1	78.9	85.7	89.5	91.9	93.3	94.8	95.1	95.4	95.4	96.2	96.4	96.5	96.8
GE 300	65.3	69.4	75.1	79.1	86.1	90.3	92.9	94.6	96.0	96.5	97.0	97.0	97.8	97.9	98.3	98.6
GE 200	65.3	69.4	75.1	79.1	86.2	90.5	93.0	94.8	96.2	96.7	97.3	97.3	98.1	98.3	98.6	98.9
GE 100	65.3	69.4	75.1	79.1	86.2	90.5	93.0	94.8	96.2	96.7	97.3	97.3	98.1	98.3	98.9	99.7
GE 000	65.3	69.4	75.1	79.1	86.2	90.5	93.0	94.8	96.2	96.7	97.3	97.3	98.1	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 631

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	28.7	30.7	33.1	34.4	37.4	38.5	39.1	40.6	40.7	41.0	41.5	41.7	42.0	42.3	42.3	42.5
GE 20000	31.5	33.9	36.5	37.9	41.5	42.6	43.3	44.7	44.8	45.2	45.6	45.8	46.1	46.4	46.4	46.9
GE 18000	31.9	34.2	36.8	38.2	41.8	42.9	43.6	45.0	45.2	45.5	46.0	46.1	46.4	46.8	46.8	47.2
GE 16000	31.9	34.2	36.8	38.2	41.8	42.9	43.6	45.0	45.2	45.5	46.0	46.1	46.4	46.8	46.8	47.2
GE 14000	32.0	34.5	37.1	38.5	42.2	43.3	43.9	45.3	45.5	45.8	46.3	46.4	46.8	47.1	47.1	47.5
GE 12000	32.6	35.5	38.0	39.5	43.1	44.2	44.8	46.3	46.4	46.8	47.2	47.4	47.7	48.0	48.0	48.5
GE 10000	34.9	37.7	40.3	41.8	45.8	46.9	47.5	49.0	49.1	49.4	49.9	50.1	50.4	50.7	50.7	51.2
GE 9000	36.1	39.1	41.7	43.3	47.2	48.3	49.0	50.4	50.6	50.9	51.3	51.5	51.8	52.1	52.1	52.6
GE 8000	37.2	40.4	43.3	44.8	49.0	50.1	50.7	52.3	52.5	52.8	53.2	53.4	53.7	54.0	54.0	54.5
GE 7000	38.0	41.4	44.2	45.8	49.9	51.2	52.0	53.6	53.7	54.0	54.5	54.7	55.0	55.3	55.3	55.8
GE 6000	39.3	42.6	45.5	47.1	51.2	52.5	53.2	55.0	55.2	55.5	55.9	56.1	56.4	56.7	56.7	57.2
GE 5000	41.2	44.7	47.7	49.3	53.4	54.7	55.5	57.2	57.4	57.7	58.2	58.3	58.6	59.0	59.0	59.4
GE 4500	41.4	44.8	47.9	49.4	53.7	55.0	55.8	57.5	57.7	58.0	58.5	58.6	59.0	59.3	59.3	59.7
GE 4000	43.1	46.8	49.8	51.3	55.8	57.2	58.0	59.7	59.9	60.2	60.7	60.9	61.2	61.5	61.5	62.0
GE 3500	43.6	47.2	50.4	52.1	56.7	58.2	59.1	60.9	61.0	61.3	61.8	62.0	62.3	62.6	62.6	63.1
GE 3000	44.5	48.2	51.3	53.1	57.7	59.1	60.1	61.8	62.0	62.3	62.8	62.9	63.2	63.5	63.5	64.0
GE 2500	45.6	49.3	52.6	54.4	59.0	60.4	61.3	63.1	63.2	63.9	64.3	64.5	64.8	65.1	65.1	65.6
GE 2000	46.8	51.0	54.4	56.3	61.0	62.6	63.5	65.3	65.5	66.1	66.6	66.7	67.0	67.4	67.4	67.8
GE 1800	47.1	51.3	54.7	56.6	61.3	62.9	63.9	65.6	65.8	66.4	66.9	67.0	67.4	67.7	67.7	68.1
GE 1500	49.9	55.0	58.6	60.7	65.6	67.2	68.3	70.0	70.2	70.8	71.3	71.5	71.8	72.1	72.1	72.6
GE 1200	52.0	57.4	61.2	63.4	68.3	69.9	71.2	72.9	73.2	73.9	74.3	74.5	74.8	75.1	75.1	75.6
GE 1000	53.1	58.5	62.3	64.5	69.7	71.5	72.7	74.5	74.8	75.4	75.9	76.1	76.4	76.7	76.7	77.2
GE 900	53.2	59.1	63.1	65.5	70.8	72.9	74.3	76.4	76.7	77.3	77.8	78.0	78.3	78.6	78.6	79.1
GE 800	53.7	59.9	63.9	66.6	72.7	75.4	77.3	79.4	80.0	80.8	81.3	81.5	81.8	82.1	82.1	82.6
GE 700	54.2	60.9	65.0	68.1	74.6	78.0	79.9	82.1	82.7	83.5	84.0	84.2	84.5	84.8	84.8	85.3
GE 600	54.2	61.0	65.1	68.6	76.5	80.0	82.3	84.6	85.3	86.1	86.5	86.7	87.0	87.3	87.3	87.8
GE 500	54.2	61.0	65.3	69.0	78.0	81.5	84.0	86.8	87.5	88.4	88.9	89.1	89.5	89.9	89.9	90.3
GE 400	54.2	61.0	65.3	69.7	78.3	81.9	84.9	88.0	88.7	90.0	90.6	90.8	91.3	91.6	91.8	92.6
GE 300	54.2	61.0	65.5	69.9	78.8	83.4	86.4	90.5	91.6	92.9	94.0	94.1	94.8	95.1	95.2	96.0
GE 200	54.2	61.0	65.5	69.9	78.8	83.4	86.5	90.8	91.9	93.3	95.1	95.2	96.5	96.8	97.3	98.1
GE 100	54.2	61.0	65.5	69.9	78.8	83.4	86.5	90.8	91.9	93.5	95.4	95.6	97.0	97.3	98.4	99.5
GE 000	54.2	61.0	65.5	69.9	78.8	83.4	86.5	90.8	91.9	93.5	95.4	95.6	97.0	97.3	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 631

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.5	40.5	42.1	43.6	45.0	45.7	46.4	46.4	46.4	46.4	46.4	46.5	46.6	46.6	46.6	46.6
GE 20000	41.8	43.9	45.6	47.1	48.6	49.4	50.0	50.1	50.2	50.2	50.2	50.3	50.4	50.4	50.4	50.4
GE 18000	41.9	43.9	45.7	47.2	48.7	49.5	50.1	50.2	50.3	50.3	50.3	50.3	50.4	50.4	50.5	50.5
GE 16000	41.9	43.9	45.7	47.2	48.7	49.5	50.1	50.2	50.3	50.3	50.3	50.3	50.4	50.4	50.5	50.5
GE 14000	42.1	44.1	45.9	47.4	48.9	49.7	50.3	50.4	50.5	50.5	50.5	50.5	50.6	50.6	50.7	50.7
GE 12000	43.6	45.7	47.5	49.0	50.7	51.5	52.1	52.2	52.3	52.3	52.3	52.3	52.4	52.4	52.5	52.5
GE 10000	47.0	49.1	51.0	52.8	54.6	55.5	56.1	56.2	56.3	56.3	56.3	56.3	56.4	56.4	56.5	56.5
GE 9000	47.9	50.1	52.0	53.9	55.8	56.8	57.4	57.5	57.5	57.5	57.5	57.6	57.7	57.7	57.8	57.8
GE 8000	49.9	52.3	54.4	56.3	58.3	59.5	60.1	60.3	60.4	60.4	60.4	60.5	60.6	60.6	60.6	60.6
GE 7000	50.6	53.0	55.2	57.1	59.2	60.4	61.0	61.2	61.3	61.3	61.3	61.4	61.5	61.5	61.6	61.6
GE 6000	51.2	53.9	56.1	58.0	60.1	61.4	62.0	62.2	62.3	62.3	62.3	62.4	62.5	62.5	62.6	62.6
GE 5000	52.9	55.7	58.2	60.2	62.4	63.7	64.4	64.5	64.6	64.6	64.6	64.8	64.9	64.9	64.9	64.9
GE 4500	54.0	56.8	59.4	61.4	63.8	65.0	65.7	65.9	65.9	66.0	66.0	66.1	66.2	66.2	66.3	66.3
GE 4000	55.4	58.1	60.8	62.9	65.2	66.5	67.3	67.4	67.5	67.5	67.5	67.6	67.8	67.8	67.8	67.8
GE 3500	56.5	59.3	61.9	64.0	66.3	67.6	68.4	68.5	68.6	68.6	68.6	68.8	68.9	68.9	68.9	68.9
GE 3000	57.4	60.4	63.3	65.4	67.7	69.1	69.9	70.1	70.2	70.3	70.3	70.4	70.5	70.5	70.5	70.5
GE 2500	58.6	61.6	64.7	66.8	69.3	70.8	71.5	71.7	71.8	71.9	71.9	72.0	72.1	72.1	72.2	72.2
GE 2000	60.4	63.4	66.8	69.0	71.5	73.1	73.9	74.1	74.2	74.3	74.3	74.4	74.5	74.5	74.5	74.5
GE 1800	60.9	64.0	67.4	69.8	72.3	73.8	74.7	74.8	74.9	75.0	75.0	75.1	75.2	75.2	75.3	75.3
GE 1500	62.0	65.4	68.9	71.3	74.1	75.7	76.6	76.8	76.9	77.0	77.0	77.1	77.2	77.2	77.3	77.3
GE 1200	63.3	66.8	70.5	73.2	76.4	78.3	79.3	79.5	79.5	79.7	79.7	79.8	79.9	79.9	79.9	79.9
GE 1000	64.2	67.9	71.8	74.8	78.8	80.7	81.8	82.0	82.1	82.2	82.2	82.3	82.4	82.4	82.5	82.5
GE 900	64.5	68.5	72.4	75.7	79.9	82.2	83.3	83.6	83.7	83.8	83.8	83.9	84.0	84.0	84.0	84.0
GE 800	64.9	69.3	73.3	77.0	81.5	84.0	85.2	85.5	85.7	85.8	85.8	85.9	86.0	86.0	86.0	86.0
GE 700	65.0	69.4	73.7	77.9	82.7	85.4	86.7	87.1	87.2	87.3	87.3	87.4	87.5	87.5	87.6	87.6
GE 600	65.3	69.9	74.5	79.1	84.3	87.5	88.9	89.4	89.5	89.7	89.7	89.8	89.9	89.9	90.0	90.0
GE 500	65.5	70.2	75.0	79.9	85.4	88.8	90.7	91.7	92.1	92.3	92.3	92.4	92.6	92.6	92.8	92.8
GE 400	65.5	70.2	75.0	80.0	85.9	89.7	91.8	93.2	93.9	94.4	94.5	94.6	94.7	94.8	94.9	94.9
GE 300	65.5	70.2	75.0	80.1	86.1	90.1	92.4	94.4	95.4	96.1	96.5	96.7	96.8	96.9	97.2	97.2
GE 200	65.5	70.2	75.0	80.1	86.2	90.1	92.6	94.7	95.7	96.5	97.2	97.5	97.8	98.1	98.4	98.4
GE 100	65.5	70.2	75.0	80.1	86.2	90.1	92.6	94.7	95.8	96.7	97.4	97.8	98.1	98.4	99.1	99.6
GE 000	65.5	70.2	75.0	80.1	86.2	90.1	92.6	94.7	95.8	96.7	97.4	97.8	98.1	98.4	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 1799

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.3	47.9	48.9	49.8	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 20000	50.9	52.7	53.9	54.9	55.9	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 18000	50.9	52.7	53.9	54.9	55.9	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 16000	50.9	52.7	53.9	54.9	55.9	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 14000	51.6	53.4	54.6	55.6	56.6	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 12000	53.1	54.9	56.2	57.3	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 10000	56.0	57.9	59.4	60.7	61.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 9000	56.6	58.6	60.1	61.4	62.7	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 8000	58.6	60.8	62.6	63.9	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 7000	59.3	61.8	63.6	65.0	66.4	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 6000	60.4	62.9	64.7	66.2	67.6	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 5000	62.2	64.9	66.7	68.2	69.6	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 4500	62.9	65.6	67.4	68.9	70.3	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 4000	65.3	68.1	70.1	71.6	73.0	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 3500	67.2	70.1	72.0	73.6	75.0	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 3000	69.4	72.3	74.4	76.1	77.6	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 2500	71.8	74.8	76.8	78.6	80.2	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 2000	74.3	77.6	79.9	81.8	83.4	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 1800	74.9	78.2	80.6	82.5	84.2	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 1500	76.1	79.6	82.1	84.0	85.9	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 1200	78.1	81.9	84.8	87.1	89.5	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1000	79.5	83.5	86.6	89.2	92.2	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 900	79.9	83.9	87.1	89.8	93.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 800	80.1	84.2	87.6	90.5	93.8	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 700	80.2	84.4	87.9	91.2	94.8	96.2	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 600	80.3	84.6	88.1	91.4	95.2	96.7	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 500	80.4	84.7	88.3	91.9	96.1	97.8	98.3	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 400	80.4	84.7	88.4	92.1	96.3	98.1	98.8	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	80.4	84.7	88.4	92.1	96.3	98.1	98.8	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9
GE 200	80.4	84.7	88.4	92.1	96.3	98.1	98.8	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	80.4	84.7	88.4	92.1	96.3	98.1	98.8	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	80.4	84.7	88.4	92.1	96.3	98.1	98.8	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1800



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.7	45.7	46.3	46.8	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 20000	52.0	53.2	53.8	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 18000	52.0	53.2	53.8	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 16000	52.0	53.2	53.8	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 14000	52.4	53.6	54.2	54.8	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 12000	53.9	55.1	55.7	56.3	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 10000	56.4	57.7	58.3	59.1	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 9000	57.2	58.4	59.1	59.9	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 8000	59.7	61.1	61.8	62.8	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 7000	61.2	62.7	63.6	64.6	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 6000	62.4	63.9	64.8	66.0	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 5000	65.2	66.8	67.8	69.0	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 4500	68.6	70.2	71.2	72.4	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 4000	73.5	75.3	76.3	77.6	78.3	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 3500	76.4	78.3	79.3	80.6	81.4	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 3000	78.7	80.7	81.8	83.2	84.2	84.5	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 2500	80.3	82.6	83.9	85.3	86.3	86.6	86.7	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 2000	82.1	84.4	85.9	87.4	88.6	88.9	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1800	82.7	85.1	86.6	88.0	89.2	89.6	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 1500	84.3	86.9	88.6	90.1	91.4	91.9	92.1	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 1200	86.5	89.3	91.1	93.2	95.0	95.6	95.9	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1000	86.8	89.7	91.7	94.0	95.8	96.5	96.9	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 900	86.9	89.9	91.9	94.4	96.3	97.1	97.5	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 800	87.0	90.0	92.1	94.6	96.7	97.6	98.0	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	87.2	90.3	92.4	94.9	97.0	97.9	98.3	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 600	87.2	90.3	92.5	95.2	97.3	98.3	98.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	87.2	90.3	92.6	95.3	97.6	98.6	99.1	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	87.2	90.3	92.6	95.3	97.7	98.8	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	87.2	90.3	92.6	95.3	97.7	98.8	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	87.2	90.3	92.6	95.3	97.7	98.8	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	87.2	90.3	92.6	95.3	97.7	98.8	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	87.2	90.3	92.6	95.3	97.7	98.8	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1800

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.8	46.8	47.5	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 20000	54.4	55.6	56.4	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 18000	54.4	55.6	56.4	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 16000	54.4	55.7	56.4	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 14000	55.0	56.2	57.0	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 12000	56.7	58.0	58.8	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 10000	59.5	60.9	61.7	62.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 9000	60.6	62.1	62.8	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 8000	64.5	66.0	66.8	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 7000	66.4	68.1	68.9	69.8	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.6
GE 6000	67.5	69.2	70.1	71.0	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 5000	71.3	73.1	74.1	75.2	75.9	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3
GE 4500	74.2	76.1	77.2	78.2	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.4
GE 4000	77.4	79.5	80.8	81.9	82.8	82.8	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 3500	79.4	81.5	82.8	84.0	84.9	84.9	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5
GE 3000	80.7	83.0	84.6	85.8	86.8	86.8	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.4	87.4	87.4
GE 2500	82.3	84.6	86.4	87.8	88.8	88.8	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4
GE 2000	84.2	86.6	88.4	90.0	91.2	91.2	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.9	91.9	91.9
GE 1800	84.5	86.8	88.9	90.4	91.6	91.7	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4
GE 1500	86.1	88.4	90.6	92.3	93.7	93.9	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.8	94.9	94.9
GE 1200	87.1	89.5	91.9	93.9	95.6	95.9	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.2	97.3	97.3
GE 1000	87.2	89.9	92.4	94.4	96.3	96.6	97.4	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.9	97.9
GE 900	87.3	90.2	92.7	94.7	96.7	97.1	97.9	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4
GE 800	87.3	90.2	92.8	94.9	96.9	97.3	98.3	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8
GE 700	87.5	90.4	93.2	95.2	97.2	97.8	98.8	99.1	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3
GE 600	87.5	90.4	93.2	95.3	97.4	98.0	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.5	99.6
GE 500	87.5	90.4	93.2	95.3	97.4	98.1	99.2	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.8
GE 400	87.5	90.4	93.2	95.3	97.4	98.1	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8
GE 300	87.5	90.4	93.2	95.3	97.4	98.1	99.2	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 200	87.5	90.4	93.2	95.3	97.4	98.1	99.2	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 100	87.5	90.4	93.2	95.3	97.4	98.1	99.2	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 000	87.5	90.4	93.2	95.3	97.4	98.1	99.2	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1800

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.4	48.1	48.5	48.9	49.9	50.1	50.1	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 20000	55.7	56.9	57.4	58.2	59.6	59.8	59.9	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 18000	55.7	56.9	57.5	58.3	59.6	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 16000	55.9	57.1	57.7	58.4	59.8	60.1	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 14000	57.0	58.3	58.9	59.7	61.0	61.3	61.3	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 12000	59.3	60.6	61.2	62.0	63.4	63.7	63.8	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 10000	61.2	62.6	63.2	64.2	65.7	66.1	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 9000	62.1	63.4	64.1	65.1	66.6	67.0	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 8000	65.6	67.1	67.9	68.9	70.6	71.0	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 7000	67.4	69.0	69.9	71.0	72.7	73.1	73.2	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 6000	68.5	70.1	71.1	72.2	73.9	74.4	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 5000	71.8	73.6	74.7	75.8	77.6	78.1	78.2	78.3	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 4500	73.1	74.9	76.0	77.3	79.1	79.6	79.7	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 4000	76.2	78.3	79.6	81.0	82.9	83.4	83.7	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 3500	77.3	79.4	80.7	82.3	84.3	84.8	85.1	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 3000	78.6	80.8	82.2	83.8	85.9	86.4	86.7	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 2500	80.4	82.7	84.3	86.1	88.3	88.9	89.3	89.4	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 2000	81.5	83.8	85.4	87.4	89.7	90.4	90.8	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1800	81.6	83.9	85.6	87.5	89.8	90.6	91.0	91.3	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6
GE 1500	82.6	84.9	86.7	88.8	91.1	92.1	92.6	92.9	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3
GE 1200	83.3	85.9	88.2	90.8	93.3	94.4	95.2	95.6	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9
GE 1000	83.3	86.0	88.3	91.1	93.6	94.8	95.7	96.1	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4
GE 900	83.4	86.1	88.4	91.3	94.2	95.6	96.6	97.0	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4
GE 800	83.4	86.1	88.4	91.6	94.5	95.9	97.1	97.5	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9
GE 700	83.5	86.2	88.6	91.8	94.9	96.4	97.7	98.2	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	83.5	86.2	88.7	91.9	95.0	96.6	97.9	98.4	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	83.5	86.2	88.7	91.9	95.0	96.6	98.1	98.7	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	83.5	86.2	88.7	91.9	95.2	96.8	98.4	98.9	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	83.5	86.2	88.7	92.1	95.3	96.9	98.6	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	83.5	86.2	88.7	92.1	95.3	96.9	98.6	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	100.0
GE 100	83.5	86.2	88.7	92.1	95.3	96.9	98.6	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	100.0
GF 000	83.5	86.2	88.7	92.1	95.3	96.9	98.6	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1800

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4
NO CEIL	48.7	49.7	50.5	51.2	52.1	52.4	52.4	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 20000	53.3	55.3	56.4	57.2	58.1	58.6	58.6	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 18000	53.3	55.3	56.4	57.2	58.1	58.6	58.6	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 16000	53.3	55.3	56.4	57.2	58.1	58.6	58.6	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 14000	53.7	55.7	56.7	57.5	58.4	58.9	59.0	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5
GE 12000	55.5	57.6	58.6	59.5	60.4	60.9	61.0	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 10000	57.1	59.2	60.4	61.5	62.6	63.2	63.4	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9
GE 9000	57.7	59.8	61.0	62.1	63.3	63.9	64.0	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
GE 8000	60.6	62.9	64.0	65.3	66.7	67.2	67.4	67.7	67.9	68.0	68.0	68.0	68.0	68.0	68.0
GE 7000	61.6	64.0	65.3	66.7	68.0	68.6	68.7	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.3
GE 6000	62.5	64.9	66.2	67.6	68.9	69.5	69.6	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2
GE 5000	64.4	66.9	68.2	69.8	71.1	71.7	72.0	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 4500	65.9	68.7	70.1	71.6	73.0	73.5	73.8	74.1	74.3	74.4	74.4	74.4	74.4	74.4	74.4
GE 4000	68.2	71.3	72.7	74.4	75.9	76.6	76.8	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4
GE 3500	68.9	72.0	73.5	75.3	76.9	77.6	77.8	78.2	78.4	78.5	78.5	78.5	78.5	78.5	78.5
GE 3000	71.0	74.1	75.8	77.9	79.7	80.5	80.8	81.3	81.5	81.6	81.6	81.6	81.6	81.6	81.6
GE 2500	71.9	75.2	77.1	79.2	81.1	82.1	82.5	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2
GE 2000	73.0	76.4	78.7	81.0	83.0	84.2	84.7	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 1800	73.6	77.1	79.4	81.7	83.8	84.9	85.4	85.9	86.1	86.2	86.2	86.2	86.2	86.2	86.2
GE 1500	75.0	78.6	81.0	83.6	85.9	87.2	87.8	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5
GE 1200	76.1	80.1	83.0	86.1	88.7	90.1	90.7	91.1	91.4	91.5	91.5	91.5	91.5	91.5	91.5
GE 1000	76.9	81.1	84.3	87.3	90.1	91.6	92.2	92.7	93.0	93.1	93.1	93.1	93.1	93.1	93.1
GE 900	77.2	81.4	84.5	87.8	90.7	92.5	93.1	93.6	93.9	94.0	94.0	94.0	94.0	94.0	94.0
GE 800	77.3	81.6	84.9	88.3	91.4	93.5	94.5	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4
GE 700	77.3	81.6	85.1	88.9	92.2	94.5	95.6	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 600	77.5	81.8	85.4	89.2	92.7	95.0	96.2	97.0	97.6	97.9	97.9	97.9	97.9	97.9	97.9
GE 500	77.5	81.8	85.4	89.3	92.9	95.2	96.8	97.6	98.2	98.5	98.5	98.5	98.5	98.5	98.5
GE 400	77.5	81.8	85.4	89.5	93.1	95.4	97.0	97.8	98.5	98.8	99.1	99.1	99.1	99.1	99.1
GE 300	77.5	81.8	85.4	89.6	93.1	95.5	97.1	97.9	98.6	98.9	99.2	99.2	99.2	99.2	99.2
GE 200	77.5	81.8	85.4	89.6	93.1	95.5	97.1	97.9	98.6	98.9	99.2	99.2	99.2	99.2	99.2
GE 100	77.5	81.8	85.4	89.6	93.1	95.5	97.1	97.9	98.6	98.9	99.2	99.2	99.2	99.2	99.2
GE 000	77.5	81.8	85.4	89.6	93.1	95.5	97.1	97.9	98.6	98.9	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 1209

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.9	45.1	46.1	47.0	47.9	48.2	48.4	48.6	48.6	48.7	48.7	48.7	48.8	48.8	48.8	48.9
GE 20000	49.7	51.3	52.5	53.4	54.5	54.9	55.1	55.3	55.4	55.4	55.4	55.4	55.5	55.5	55.6	55.6
GE 18000	49.7	51.3	52.5	53.4	54.6	55.0	55.1	55.4	55.4	55.4	55.5	55.5	55.5	55.6	55.6	55.6
GE 16000	49.7	51.4	52.5	53.5	54.6	55.0	55.2	55.4	55.4	55.5	55.5	55.5	55.5	55.6	55.6	55.7
GE 14000	50.3	51.9	53.1	54.0	55.2	55.6	55.7	56.0	56.0	56.0	56.1	56.1	56.2	56.2	56.2	56.2
GE 12000	51.9	53.6	54.8	55.8	56.9	57.3	57.5	57.8	57.8	57.8	57.9	57.9	58.0	58.0	58.0	58.0
GE 10000	54.4	56.1	57.4	58.6	59.9	60.3	60.5	60.7	60.8	60.8	60.8	60.9	60.9	61.0	61.0	61.0
GE 9000	55.3	57.1	58.3	59.5	60.8	61.3	61.5	61.7	61.8	61.8	61.8	61.8	61.9	61.9	62.0	62.0
GE 8000	58.0	59.9	61.3	62.6	64.1	64.6	64.8	65.0	65.1	65.1	65.1	65.2	65.2	65.2	65.3	65.3
GE 7000	59.2	61.3	62.8	64.1	65.6	66.1	66.3	66.6	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.9
GE 6000	60.3	62.4	63.9	65.3	66.8	67.3	67.6	67.8	67.9	67.9	68.0	68.0	68.1	68.1	68.1	68.2
GE 5000	62.7	65.0	66.6	68.0	69.6	70.2	70.4	70.7	70.8	70.8	70.9	70.9	71.0	71.0	71.0	71.1
GE 4500	64.4	66.7	68.3	69.8	71.4	72.0	72.3	72.5	72.6	72.7	72.7	72.7	72.8	72.8	72.8	72.9
GE 4000	67.1	69.6	71.3	72.9	74.6	75.2	75.5	75.8	75.9	75.9	76.0	76.0	76.1	76.1	76.1	76.2
GE 3500	68.6	71.1	72.9	74.5	76.3	76.9	77.2	77.5	77.6	77.7	77.7	77.7	77.8	77.8	77.9	77.9
GE 3000	70.2	72.8	74.8	76.4	78.3	79.0	79.3	79.6	79.7	79.8	79.9	79.9	79.9	80.0	80.0	80.0
GE 2500	71.7	74.5	76.6	78.3	80.3	81.0	81.4	81.7	81.8	81.9	81.9	81.9	82.0	82.0	82.1	82.1
GE 2000	73.4	76.3	78.6	80.5	82.5	83.3	83.8	84.1	84.2	84.3	84.4	84.4	84.5	84.5	84.5	84.6
GE 1800	73.9	76.7	79.1	81.0	83.1	83.9	84.4	84.7	84.8	84.9	85.0	85.0	85.0	85.1	85.1	85.2
GE 1500	75.3	78.3	80.8	82.9	85.1	86.1	86.6	86.9	87.1	87.1	87.2	87.2	87.3	87.3	87.3	87.4
GE 1200	76.8	80.1	82.9	85.3	88.0	89.0	89.7	90.1	90.3	90.3	90.4	90.4	90.5	90.5	90.5	90.6
GE 1000	77.4	80.9	83.8	86.4	89.3	90.5	91.2	91.7	91.8	91.9	92.0	92.0	92.1	92.1	92.1	92.2
GE 900	77.6	81.2	84.2	87.0	90.1	91.4	92.2	92.7	92.8	92.9	93.0	93.0	93.1	93.1	93.1	93.2
GE 800	77.9	81.6	84.7	87.6	90.9	92.4	93.4	93.8	94.0	94.1	94.2	94.2	94.3	94.3	94.4	94.4
GE 700	78.0	81.8	85.0	88.2	91.6	93.4	94.4	94.9	95.2	95.3	95.3	95.4	95.4	95.5	95.5	95.5
GE 600	78.1	81.9	85.3	88.6	92.2	94.1	95.2	95.9	96.1	96.2	96.3	96.3	96.4	96.4	96.5	96.5
GE 500	78.2	82.0	85.4	88.9	92.7	94.7	96.0	96.8	97.1	97.2	97.3	97.3	97.4	97.5	97.5	97.6
GE 400	78.2	82.0	85.4	89.0	93.0	95.0	96.4	97.3	97.7	98.0	98.1	98.2	98.2	98.3	98.4	98.4
GE 300	78.2	82.0	85.5	89.0	93.1	95.2	96.7	97.8	98.3	98.6	98.8	98.8	98.9	99.0	99.1	99.2
GE 200	78.2	82.0	85.5	89.0	93.1	95.3	96.7	97.9	98.4	98.7	99.0	99.1	99.2	99.3	99.4	99.5
GE 100	78.2	82.0	85.5	89.0	93.1	95.3	96.8	97.9	98.4	98.7	99.0	99.1	99.3	99.4	99.5	99.5
GE 000	78.2	82.0	85.5	89.0	93.1	95.3	96.8	97.9	98.4	98.7	99.0	99.1	99.3	99.4	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 11470

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.9	46.9	49.2	50.1	52.4	53.9	54.5	54.7	55.0	55.0	55.4	55.4	55.7	55.7	56.3	56.3
GE 20000	47.8	49.8	52.4	53.4	56.0	57.7	58.5	58.6	58.9	58.9	59.4	59.4	59.7	59.7	60.3	60.3
GE 18000	47.8	49.8	52.4	53.4	56.0	57.7	58.5	58.6	58.9	58.9	59.4	59.4	59.7	59.7	60.3	60.3
GE 16000	47.8	49.8	52.4	53.4	56.0	57.7	58.5	58.6	58.9	58.9	59.4	59.4	59.7	59.7	60.3	60.3
GE 14000	47.9	49.9	52.5	53.7	56.5	58.3	59.1	59.2	59.5	59.5	60.0	60.0	60.3	60.3	60.9	60.9
GE 12000	49.8	51.8	54.8	56.0	58.8	60.6	61.5	61.7	62.0	62.0	62.4	62.4	62.7	62.7	63.4	63.4
GE 10000	52.8	54.8	58.2	59.4	62.4	64.3	65.2	65.5	65.8	65.8	66.3	66.3	66.6	66.6	67.2	67.2
GE 9000	53.1	55.1	58.5	59.7	62.9	64.7	65.6	66.0	66.3	66.3	66.7	66.7	67.0	67.0	67.6	67.6
GE 8000	56.2	58.2	61.7	62.9	66.4	68.2	69.5	69.8	70.1	70.1	70.5	70.5	70.8	70.8	71.5	71.5
GE 7000	56.6	58.6	62.1	63.4	66.9	68.7	69.9	70.2	70.5	70.5	71.0	71.0	71.3	71.3	71.9	71.9
GE 6000	57.9	59.8	63.4	64.6	68.1	69.9	71.1	71.5	71.8	71.8	72.2	72.2	72.5	72.5	73.1	73.1
GE 5000	58.5	60.5	64.0	65.2	68.7	70.5	71.8	72.1	72.4	72.4	72.8	72.8	73.1	73.1	73.7	73.7
GE 4500	58.8	60.8	64.4	65.6	69.2	71.0	72.2	72.5	72.8	72.8	73.3	73.3	73.6	73.6	74.2	74.2
GE 4000	59.4	61.8	65.5	67.0	70.5	73.0	74.4	75.0	75.3	75.3	75.7	75.7	76.0	76.0	76.6	76.6
GE 3500	60.6	63.1	66.7	68.2	71.8	74.2	75.6	76.2	76.5	76.5	76.9	76.9	77.3	77.3	77.9	77.9
GE 3000	61.2	63.7	67.3	69.0	72.7	75.1	76.5	77.1	77.4	77.4	77.9	77.9	78.2	78.2	78.8	78.8
GE 2500	61.5	64.1	67.8	69.5	73.3	75.7	77.3	77.9	78.2	78.3	78.8	78.8	79.2	79.2	79.8	79.8
GE 2000	62.9	65.8	69.6	71.3	75.4	77.9	79.4	80.3	80.6	80.8	81.2	81.2	81.7	81.7	82.3	82.3
GE 1800	63.4	66.3	70.1	71.8	75.9	78.3	80.0	80.9	81.4	81.5	82.0	82.0	82.4	82.4	83.1	83.1
GE 1500	64.1	67.0	71.1	73.1	77.6	80.0	81.7	82.6	83.1	83.2	83.7	83.7	84.1	84.1	84.7	84.7
GE 1200	65.2	68.2	72.5	74.5	79.2	82.0	83.7	84.6	85.0	85.2	85.6	85.6	86.1	86.1	86.7	86.7
GE 1000	65.8	69.3	73.6	75.7	80.9	83.8	85.5	86.4	87.0	87.2	87.6	87.6	88.1	88.1	88.7	88.7
GE 900	66.0	69.5	73.9	76.0	81.2	84.1	86.0	86.9	87.5	87.6	88.1	88.1	88.5	88.5	89.2	89.2
GE 800	66.6	70.4	75.0	77.6	82.9	86.0	88.1	89.2	89.8	89.9	90.5	90.5	91.0	91.0	91.6	91.6
GE 700	66.6	70.5	75.1	77.9	83.5	86.6	88.7	89.8	90.4	90.5	91.1	91.1	91.6	91.6	92.2	92.2
GE 600	66.6	70.7	75.4	78.3	84.4	87.6	89.8	91.0	91.6	91.8	92.5	92.5	93.0	93.0	93.6	93.6
GE 500	66.6	70.7	75.4	78.6	85.6	89.2	92.1	93.3	93.9	94.0	94.8	94.8	95.3	95.4	96.2	96.2
GE 400	66.6	70.7	75.4	78.6	85.6	89.2	92.5	94.4	95.1	95.3	96.0	96.2	96.8	96.9	98.0	98.3
GE 300	66.6	70.7	75.4	78.6	85.6	89.2	92.5	94.7	95.6	95.7	96.8	96.9	97.7	97.9	98.9	99.5
GE 200	66.6	70.7	75.4	78.6	85.6	89.2	92.5	94.7	95.6	95.7	97.1	97.3	98.0	98.2	99.2	99.8
GE 100	66.6	70.7	75.4	78.6	85.6	89.2	92.5	94.7	95.6	95.7	97.1	97.3	98.0	98.2	99.2	100.0
GE 000	66.6	70.7	75.4	78.6	85.6	89.2	92.5	94.7	95.6	95.7	97.1	97.3	98.0	98.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 655

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.0	41.2	43.0	43.9	45.6	46.7	47.5	48.4	49.2	49.3	49.6	50.1	50.1	50.1	50.1	50.1
GE 20000	43.2	46.1	47.9	49.3	51.2	52.4	53.5	55.0	55.8	55.9	56.2	56.7	56.7	56.7	56.7	56.7
GE 18000	43.2	46.1	47.9	49.3	51.2	52.4	53.5	55.0	55.8	55.9	56.2	56.7	56.7	56.7	56.7	56.7
GE 16000	43.2	46.1	47.9	49.3	51.2	52.4	53.5	55.0	55.8	55.9	56.2	56.7	56.7	56.7	56.7	56.7
GE 14000	43.5	46.5	48.4	49.8	51.6	53.0	54.1	55.6	56.4	56.5	56.8	57.3	57.3	57.3	57.3	57.3
GE 12000	44.7	47.8	49.6	51.0	52.8	54.2	55.5	57.0	57.8	57.9	58.4	58.8	58.8	58.8	58.8	58.8
GE 10000	47.6	50.8	53.0	54.7	56.8	58.2	59.6	61.1	61.9	62.1	62.5	63.0	63.0	63.0	63.0	63.0
GE 9000	48.2	51.6	53.8	55.5	57.6	59.0	60.4	61.9	62.7	62.8	63.3	63.7	63.7	63.7	63.7	63.7
GE 8000	50.5	54.2	56.8	58.7	61.0	62.5	64.1	65.6	66.4	66.5	67.0	67.4	67.4	67.4	67.4	67.4
GE 7000	50.8	54.5	57.3	59.1	61.4	63.0	64.5	66.1	66.8	67.0	67.4	67.9	67.9	67.9	67.9	67.9
GE 6000	51.2	55.1	57.9	59.8	62.4	63.9	65.4	67.1	67.9	68.0	68.5	69.0	69.0	69.0	69.0	69.0
GE 5000	52.1	56.2	59.0	60.8	63.4	65.1	66.7	68.4	69.1	69.3	69.7	70.2	70.2	70.2	70.2	70.2
GE 4500	52.5	56.7	59.4	61.4	64.1	65.9	67.4	69.1	69.9	70.0	70.5	71.0	71.0	71.0	71.0	71.0
GE 4000	53.3	57.8	60.7	62.7	65.4	67.4	69.0	71.0	71.7	71.9	72.4	72.8	72.8	72.8	72.8	72.8
GE 3500	53.9	58.4	61.4	63.4	66.2	68.2	69.7	71.7	72.5	72.7	73.1	73.6	73.6	73.6	73.6	73.6
GE 3000	54.2	58.7	62.1	64.1	67.4	69.4	71.0	73.0	73.9	74.0	74.5	75.0	75.0	75.0	75.0	75.0
GE 2500	54.4	58.8	62.4	64.5	67.9	69.9	71.4	73.4	74.3	74.5	75.0	75.4	75.4	75.4	75.4	75.4
GE 2000	56.5	61.1	65.0	67.4	71.1	73.6	75.3	77.3	78.2	78.5	79.1	79.6	79.9	79.9	79.9	79.9
GE 1800	56.5	61.1	65.1	67.6	71.3	73.7	75.6	77.6	78.5	78.8	79.4	79.9	80.3	80.3	80.3	80.3
GE 1500	56.5	61.1	65.4	68.5	72.5	75.1	77.1	79.1	80.0	80.3	81.0	81.4	81.9	81.9	81.9	81.9
GE 1200	56.5	61.4	66.5	69.9	74.0	76.7	79.1	81.6	82.5	82.8	83.4	83.9	84.3	84.3	84.3	84.3
GE 1000	57.6	62.5	67.6	71.1	75.4	78.0	80.5	82.9	84.0	84.3	84.9	85.4	85.9	85.9	85.9	85.9
GE 900	57.6	62.5	67.6	71.1	75.4	78.0	80.5	83.1	84.2	84.5	85.1	85.6	86.0	86.0	86.0	86.0
GE 800	58.7	63.6	68.7	72.4	76.8	79.7	82.2	84.8	86.0	86.3	86.9	87.4	87.9	87.9	87.9	87.9
GE 700	58.8	64.2	69.3	73.1	77.9	80.8	83.6	86.5	87.7	88.2	88.8	89.2	89.9	89.9	89.9	89.9
GE 600	59.0	64.4	69.9	73.7	79.1	82.5	85.7	89.1	90.5	90.9	91.7	92.2	92.8	92.8	92.8	92.8
GE 500	59.0	64.7	70.2	74.0	79.6	83.3	86.6	90.2	91.7	92.5	93.4	93.9	94.5	94.5	94.5	94.5
GE 400	59.0	64.7	70.2	74.0	79.6	83.4	86.9	90.5	92.3	93.2	94.3	94.9	95.7	95.9	96.2	96.2
GE 300	59.0	64.7	70.2	74.0	79.7	83.9	87.4	91.4	93.4	94.3	95.5	96.2	97.1	97.4	97.8	98.3
GE 200	59.0	64.7	70.2	74.0	79.7	83.9	87.4	91.7	93.7	94.6	95.9	96.5	97.4	97.7	98.2	98.8
GE 100	59.0	64.7	70.2	74.0	79.7	83.9	87.4	91.7	93.7	94.6	95.9	96.5	97.4	97.7	98.5	99.7
GE 000	59.0	64.7	70.2	74.0	79.7	83.9	87.4	91.7	93.7	94.6	95.9	96.5	97.4	97.7	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 651

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.8	41.9	43.4	45.0	47.0	48.3	49.0	49.4	49.5	49.7	49.7	49.8	49.8	49.9	50.1	50.2
GE 20000	45.1	47.3	49.0	50.8	53.0	54.7	55.5	55.9	56.2	56.4	56.4	56.4	56.5	56.6	56.8	56.9
GE 18000	45.2	47.4	49.1	50.9	53.1	54.8	55.6	56.1	56.3	56.5	56.5	56.5	56.6	56.7	56.9	57.0
GE 16000	45.3	47.6	49.3	51.1	53.3	54.9	55.7	56.3	56.5	56.7	56.7	56.8	56.8	56.9	57.1	57.2
GE 14000	46.3	48.6	50.3	52.2	54.4	56.1	56.9	57.5	57.7	57.9	57.9	57.9	58.0	58.1	58.3	58.5
GE 12000	47.4	49.8	51.8	53.7	56.1	57.8	58.6	59.2	59.4	59.7	59.7	59.7	59.8	59.9	60.1	60.2
GE 10000	50.5	53.0	55.1	57.1	59.6	61.4	62.4	63.0	63.2	63.4	63.4	63.5	63.6	63.7	63.9	64.0
GE 9000	51.7	54.4	56.6	58.6	61.2	63.1	64.1	64.7	64.9	65.1	65.1	65.1	65.3	65.4	65.6	65.7
GE 8000	54.2	57.1	59.4	61.6	64.4	66.5	67.8	68.4	68.6	68.8	68.8	68.9	69.0	69.1	69.3	69.4
GE 7000	54.8	57.7	60.0	62.3	65.4	67.5	68.8	69.4	69.6	69.8	69.8	69.9	70.0	70.1	70.3	70.5
GE 6000	55.1	58.0	60.3	62.6	65.8	68.0	69.4	70.1	70.3	70.5	70.5	70.6	70.7	70.8	71.0	71.2
GE 5000	56.4	59.4	62.0	64.4	67.8	70.0	71.5	72.2	72.5	72.7	72.7	72.7	72.8	72.9	73.2	73.3
GE 4500	56.8	59.9	62.4	64.8	68.3	70.5	72.1	72.9	73.1	73.3	73.3	73.4	73.5	73.6	73.8	74.0
GE 4000	57.8	61.1	63.7	66.2	69.6	71.8	73.5	74.4	74.6	74.8	74.8	74.9	75.0	75.1	75.3	75.5
GE 3500	58.2	61.5	64.2	66.6	70.2	72.6	74.3	75.3	75.5	75.7	75.7	75.7	75.8	76.0	76.2	76.3
GE 3000	58.8	62.2	64.9	67.5	71.2	73.6	75.4	76.3	76.5	76.8	76.8	76.9	77.0	77.1	77.3	77.5
GE 2500	59.5	63.0	65.8	68.4	72.1	74.6	76.3	77.3	77.5	77.7	77.8	77.8	77.9	78.1	78.3	78.4
GE 2000	59.9	63.7	66.6	69.3	73.4	75.8	77.6	78.6	78.8	79.0	79.1	79.1	79.2	79.3	79.6	79.7
GE 1800	60.2	64.0	67.0	69.7	73.8	76.3	78.1	79.1	79.3	79.5	79.6	79.6	79.7	79.8	80.0	80.2
GE 1500	61.5	65.4	68.7	71.5	75.9	78.5	80.4	81.4	81.6	81.8	81.9	81.9	82.0	82.1	82.4	82.5
GE 1200	62.8	66.9	70.4	73.4	78.2	81.1	83.1	84.2	84.4	84.6	84.7	84.7	84.8	84.9	85.2	85.3
GE 1000	63.5	67.7	71.4	74.6	79.7	82.8	84.9	86.0	86.3	86.5	86.6	86.7	86.8	86.9	87.1	87.3
GE 900	63.6	67.8	71.7	74.9	80.3	83.5	85.7	86.9	87.2	87.4	87.5	87.6	87.7	87.8	88.0	88.2
GE 800	63.9	68.2	72.1	75.6	81.4	84.8	87.1	88.5	88.8	89.0	89.1	89.2	89.3	89.4	89.6	89.8
GE 700	64.1	68.5	72.5	76.4	82.5	86.1	88.4	90.1	90.4	90.6	90.7	90.8	90.9	91.0	91.2	91.4
GE 600	64.1	68.6	72.7	76.8	83.2	87.1	89.9	91.8	92.1	92.4	92.5	92.6	92.7	92.8	93.0	93.2
GE 500	64.3	68.7	72.9	77.0	84.0	88.2	91.2	93.2	93.5	93.9	94.0	94.1	94.2	94.3	94.5	94.7
GE 400	64.3	68.7	72.9	77.1	84.3	89.0	92.4	94.8	95.3	96.0	96.3	96.4	96.7	96.8	97.1	97.3
GE 300	64.3	68.7	72.9	77.1	84.5	89.3	92.6	95.3	95.8	96.7	97.1	97.4	97.6	98.0	98.2	98.5
GE 200	64.3	68.7	72.9	77.1	84.5	89.3	92.7	95.4	96.0	96.9	97.4	97.6	98.1	98.4	99.0	99.4
GE 100	64.3	68.7	72.9	77.1	84.5	89.3	92.7	95.4	96.0	96.9	97.4	97.7	98.1	98.5	99.2	99.9
GE 000	64.3	68.7	72.9	77.1	84.5	89.3	92.7	95.4	96.0	96.9	97.4	97.7	98.1	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1859



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.5	49.6	52.7	54.3	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 20000	54.6	56.8	60.1	62.0	63.3	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 18000	54.6	56.8	60.2	62.1	63.3	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 16000	54.7	56.9	60.2	62.2	63.4	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 14000	55.4	57.6	61.0	62.9	64.1	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 12000	57.4	59.8	63.2	65.2	66.5	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 10000	59.6	62.2	65.6	67.7	69.2	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 9000	60.2	62.8	66.2	68.4	69.8	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 8000	62.2	64.9	68.5	70.9	72.5	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 7000	63.4	66.1	69.9	72.4	74.0	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 6000	64.0	66.8	70.5	73.0	74.8	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 5000	64.8	67.6	71.8	74.4	76.2	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 4500	65.5	68.3	72.5	75.2	77.0	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 4000	66.9	69.7	74.0	76.7	78.7	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 3500	68.3	71.3	75.8	78.5	80.5	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 3000	69.8	72.8	77.4	80.2	82.4	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 2500	71.3	74.4	79.0	82.0	84.3	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 2000	73.0	76.5	81.6	84.9	87.5	88.3	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 1800	73.5	77.2	82.3	85.6	88.3	89.1	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 1500	74.7	78.4	83.5	87.0	89.9	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1200	75.6	79.4	84.9	88.8	92.0	93.4	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1000	75.9	79.6	85.3	89.4	92.8	94.5	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 900	76.1	79.9	85.8	90.0	93.7	95.4	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 800	76.2	80.1	86.2	90.5	94.5	96.2	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 700	76.5	80.4	86.6	91.3	95.6	97.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 600	76.6	80.6	86.8	91.5	95.9	97.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	76.6	80.6	86.8	91.6	96.0	98.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	76.6	80.6	86.9	91.6	96.1	98.1	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	76.6	80.6	86.9	91.6	96.1	98.1	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	76.6	80.6	86.9	91.6	96.1	98.1	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	76.6	80.6	86.9	91.6	96.1	98.1	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	76.6	80.6	86.9	91.6	96.1	98.1	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.1	51.3	52.5	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 20000	58.1	60.5	62.0	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 18000	58.2	60.6	62.1	63.0	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 16000	58.3	60.7	62.2	63.1	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 14000	59.3	61.7	63.3	64.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 12000	61.6	64.0	65.6	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 10000	64.1	66.7	68.5	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 9000	65.0	67.6	69.4	70.5	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 8000	67.6	70.5	72.3	73.5	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 7000	68.4	71.4	73.2	74.5	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 6000	69.2	72.2	74.0	75.3	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 5000	70.3	73.3	75.1	76.4	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 4500	71.8	74.8	76.8	78.2	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 4000	75.4	78.5	80.6	82.2	83.1	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 3500	77.0	80.1	82.4	84.0	85.1	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 3000	79.3	82.8	85.3	87.4	88.5	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 2500	80.8	84.3	87.0	89.1	90.5	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 2000	82.2	85.9	88.9	91.1	93.0	93.4	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1800	82.7	86.5	89.5	91.8	93.6	94.1	94.4	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1500	83.4	87.1	90.3	92.8	94.8	95.4	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1200	83.9	87.7	91.0	93.7	95.8	96.5	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1000	84.1	88.0	91.3	94.0	96.3	97.0	97.5	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 900	84.4	88.3	91.7	94.5	96.7	97.4	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 800	84.4	88.3	92.0	95.0	97.4	98.2	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	84.4	88.4	92.4	95.4	97.8	98.6	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	84.4	88.4	92.5	95.5	97.9	98.7	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	84.4	88.4	92.5	95.5	97.9	98.7	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	84.4	88.4	92.5	95.5	98.0	98.8	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	84.4	88.4	92.5	95.5	98.0	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	84.4	88.4	92.5	95.5	98.0	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	84.4	88.4	92.5	95.5	98.0	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	84.4	88.4	92.5	95.5	98.0	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.9	50.6	51.4	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 20000	59.8	61.1	62.2	63.4	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 18000	59.9	61.1	62.2	63.5	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 16000	59.9	61.2	62.3	63.5	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 14000	60.6	61.8	62.9	64.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 12000	62.8	64.1	65.3	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 10000	65.2	66.5	67.8	69.1	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 9000	66.3	67.7	69.1	70.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 8000	70.6	72.3	73.9	75.4	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 7000	72.4	74.1	75.8	77.3	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 6000	73.5	75.3	77.0	78.5	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 5000	75.0	76.8	78.5	80.2	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 4500	77.0	79.1	80.9	82.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 4000	80.0	82.2	83.9	86.1	87.3	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 3500	80.8	83.1	85.3	87.7	89.1	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 3000	82.5	85.2	87.7	90.1	91.6	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 2500	83.3	86.0	88.7	91.3	92.8	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 2000	83.9	86.8	89.6	92.5	94.1	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 1800	84.0	86.9	89.7	92.6	94.4	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1500	84.7	87.7	90.6	93.7	95.6	96.2	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1200	85.2	88.3	91.1	94.4	96.5	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1000	85.5	88.6	91.5	94.8	97.2	98.0	98.5	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
GE 900	85.6	88.7	91.6	94.9	97.3	98.1	98.7	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0
GE 800	85.7	88.8	91.7	95.0	97.5	98.4	98.9	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3
GE 700	85.7	88.8	91.7	95.0	97.7	98.6	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	85.7	88.8	91.7	95.0	97.7	98.7	99.2	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
GE 500	85.7	88.8	91.7	95.0	97.7	98.7	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	85.7	88.8	91.7	95.1	97.8	98.8	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
GE 300	85.7	88.8	91.7	95.1	97.8	98.8	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	85.7	88.8	91.7	95.1	97.8	98.8	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	85.7	88.8	91.7	95.1	97.8	98.8	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	85.7	88.8	91.7	95.1	97.8	98.8	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.3	51.4	52.5	53.4	54.1	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 20000	59.9	61.4	62.8	63.8	65.0	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 18000	60.2	61.6	63.1	64.0	65.2	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 16000	60.2	61.6	63.1	64.0	65.2	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 14000	61.1	62.6	64.1	65.1	66.3	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 12000	63.0	64.5	66.1	67.1	68.4	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 10000	66.3	68.0	69.8	70.9	72.4	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 9000	67.0	68.8	70.7	71.8	73.3	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 8000	70.2	72.2	74.4	75.6	77.5	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 7000	71.6	73.5	75.8	77.1	79.0	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 6000	72.1	74.0	76.3	77.6	79.6	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 5000	73.8	75.8	78.3	79.6	81.7	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 4500	75.1	77.0	79.7	81.0	83.1	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 4000	77.6	79.6	82.4	84.1	86.4	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 3500	78.7	80.9	83.9	85.8	88.2	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 3000	79.7	82.2	85.5	87.7	90.3	91.0	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 2500	80.6	83.2	86.7	88.9	91.6	92.2	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 2000	81.6	84.1	87.8	90.1	93.1	93.8	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1800	81.7	84.3	88.0	90.3	93.3	94.0	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 1500	82.2	84.8	88.7	91.2	94.4	95.3	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1200	82.4	85.1	89.0	91.7	95.0	96.2	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	82.6	85.3	89.5	92.3	95.9	97.3	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3
GE 900	82.7	85.4	89.6	92.4	96.1	97.5	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6
GE 800	82.7	85.4	89.6	92.4	96.1	97.6	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8
GE 700	82.7	85.4	89.7	92.6	96.6	98.1	98.8	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
GE 600	82.7	85.4	89.7	92.6	96.7	98.2	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
GE 500	82.7	85.4	89.7	92.6	96.7	98.2	99.0	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 400	82.7	85.5	89.8	92.6	96.7	98.2	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7
GE 300	82.7	85.5	89.8	92.7	96.8	98.3	99.1	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 200	82.7	85.5	89.8	92.7	96.8	98.3	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	82.7	85.5	89.8	92.7	96.8	98.3	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	82.7	85.5	89.8	92.7	96.8	98.3	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.1	53.0	56.3	57.6	58.7	58.9	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.7
GE 20000	57.7	59.0	62.6	64.0	65.7	66.1	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.8	66.9
GE 18000	57.8	59.1	62.6	64.1	65.8	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.9	66.9
GE 16000	57.8	59.1	62.6	64.1	65.8	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.9	66.9
GE 14000	58.3	59.5	63.1	64.5	66.3	66.6	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.4
GE 12000	59.3	60.7	64.3	65.9	67.7	68.0	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.8	68.8
GE 10000	62.7	64.3	68.2	70.0	71.9	72.2	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.9	73.1
GE 9000	63.3	64.9	68.8	70.5	72.5	72.8	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.7
GE 8000	65.8	67.6	71.9	74.2	76.4	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.6
GE 7000	66.9	68.8	73.4	75.8	78.1	78.4	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.1	79.3
GE 6000	68.2	70.0	74.7	77.2	79.4	79.7	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.6
GE 5000	69.3	71.1	76.0	78.5	80.8	81.2	81.8	81.8	81.8	81.8	81.8	81.9	81.9	82.0	82.0	82.2
GE 4500	70.2	72.0	76.9	79.4	81.7	82.2	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.9	83.0	83.1
GE 4000	72.1	74.1	79.5	82.0	84.7	85.2	85.8	85.9	86.0	86.0	86.0	86.1	86.1	86.2	86.2	86.4
GE 3500	72.5	74.5	79.9	82.7	85.8	86.3	86.9	87.1	87.2	87.2	87.2	87.3	87.3	87.4	87.4	87.6
GE 3000	73.1	75.1	80.8	83.7	86.9	87.7	88.3	88.6	88.7	88.7	88.7	88.8	88.8	88.9	89.0	89.1
GE 2500	73.7	76.0	82.0	85.1	88.5	89.3	90.2	90.5	90.6	90.6	90.6	90.7	90.7	90.8	90.9	91.0
GE 2000	74.9	77.3	83.3	86.9	90.4	91.3	92.2	92.5	92.7	92.7	92.7	92.8	92.8	92.8	92.9	93.1
GE 1800	75.0	77.4	83.5	87.3	90.9	91.7	92.7	93.0	93.2	93.2	93.2	93.2	93.2	93.3	93.4	93.6
GE 1500	75.8	78.2	84.5	88.3	92.1	93.1	94.0	94.5	94.7	94.7	94.7	94.8	94.8	94.8	94.9	95.1
GE 1200	76.2	78.7	85.1	89.2	93.5	94.5	95.5	95.9	96.1	96.1	96.1	96.2	96.2	96.3	96.3	96.5
GE 1000	76.5	79.1	85.5	89.6	94.0	95.2	96.2	96.7	96.8	96.8	96.8	96.9	96.9	97.0	97.1	97.2
GE 900	76.5	79.2	85.6	89.7	94.1	95.4	96.3	96.8	97.0	97.0	97.0	97.1	97.1	97.1	97.2	97.4
GE 800	76.5	79.2	85.6	89.7	94.3	95.5	96.6	97.1	97.2	97.2	97.2	97.3	97.3	97.4	97.5	97.6
GE 700	76.6	79.3	85.7	89.8	94.7	96.1	97.2	98.0	98.2	98.2	98.2	98.3	98.3	98.4	98.5	98.6
GE 600	76.6	79.3	85.8	89.9	95.2	96.7	97.9	98.7	98.9	98.9	98.9	99.0	99.0	99.1	99.2	99.4
GE 500	76.6	79.3	85.8	89.9	95.2	96.7	98.0	99.0	99.1	99.1	99.1	99.2	99.3	99.4	99.4	99.7
GE 400	76.6	79.3	85.8	89.9	95.2	96.7	98.0	99.0	99.2	99.2	99.3	99.4	99.4	99.5	99.6	99.8
GE 300	76.6	79.3	85.8	89.9	95.2	96.7	98.0	99.0	99.3	99.3	99.4	99.4	99.5	99.6	99.7	99.9
GE 200	76.6	79.3	85.8	89.9	95.2	96.7	98.1	99.0	99.4	99.4	99.4	99.5	99.6	99.7	99.8	100.0
GE 100	76.6	79.3	85.8	89.9	95.2	96.7	98.1	99.0	99.4	99.4	99.4	99.5	99.6	99.7	99.8	100.0
GE 000	76.6	79.3	85.8	89.9	95.2	96.7	98.1	99.0	99.4	99.4	99.4	99.5	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1258

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.2	48.9	50.6	51.8	52.8	53.2	53.5	53.7	53.7	53.8	53.8	53.8	53.9	53.9	54.0	54.0
GE 20000	54.6	56.5	58.6	60.0	61.3	61.8	62.1	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.6	62.6
GE 18000	54.7	56.6	58.7	60.0	61.4	61.9	62.2	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.7	62.7
GE 16000	54.8	56.7	58.7	60.1	61.4	61.9	62.3	62.4	62.5	62.6	62.6	62.6	62.7	62.7	62.8	62.8
GE 14000	55.5	57.5	59.5	60.9	62.3	62.8	63.1	63.3	63.4	63.4	63.5	63.5	63.6	63.6	63.6	63.7
GE 12000	57.3	59.3	61.5	62.9	64.3	64.9	65.2	65.4	65.5	65.6	65.6	65.7	65.7	65.7	65.8	65.8
GE 10000	60.1	62.2	64.6	66.1	67.7	68.2	68.6	68.8	68.9	69.0	69.0	69.1	69.1	69.1	69.2	69.2
GE 9000	60.9	63.1	65.5	67.1	68.7	69.2	69.6	69.8	69.9	70.0	70.0	70.1	70.1	70.1	70.2	70.2
GE 8000	63.6	66.2	68.8	70.5	72.3	73.0	73.5	73.7	73.8	73.8	73.9	73.9	73.9	74.0	74.0	74.1
GE 7000	64.9	67.3	70.0	71.8	73.6	74.3	74.8	75.0	75.1	75.1	75.2	75.2	75.3	75.3	75.4	75.4
GE 6000	65.6	68.1	70.7	72.6	74.5	75.2	75.7	75.9	76.0	76.1	76.1	76.2	76.2	76.2	76.3	76.3
GE 5000	66.8	69.3	72.2	74.1	76.0	76.8	77.3	77.6	77.6	77.7	77.7	77.8	77.8	77.8	77.9	78.0
GE 4500	67.9	70.4	73.3	75.3	77.3	78.1	78.7	78.9	79.0	79.1	79.1	79.2	79.2	79.2	79.3	79.3
GE 4000	69.9	72.6	75.7	77.8	80.0	80.9	81.5	81.8	81.9	82.0	82.0	82.1	82.1	82.1	82.2	82.2
GE 3500	70.9	73.7	76.9	79.1	81.5	82.4	83.1	83.4	83.5	83.6	83.6	83.6	83.7	83.7	83.8	83.8
GE 3000	72.1	75.1	78.5	80.9	83.4	84.4	85.1	85.4	85.6	85.6	85.7	85.7	85.7	85.8	85.8	85.9
GE 2500	73.1	76.1	79.7	82.2	84.8	85.8	86.6	86.9	87.0	87.1	87.1	87.2	87.2	87.3	87.3	87.4
GE 2000	74.2	77.4	81.2	83.9	86.8	87.9	88.7	89.1	89.3	89.3	89.4	89.4	89.5	89.5	89.6	89.6
GE 1800	74.5	77.7	81.6	84.3	87.2	88.4	89.2	89.6	89.8	89.9	89.9	90.0	90.0	90.1	90.1	90.2
GE 1500	75.3	78.6	82.6	85.6	88.7	89.9	90.8	91.3	91.4	91.5	91.6	91.6	91.7	91.7	91.8	91.8
GE 1200	75.9	79.3	83.6	86.7	90.1	91.5	92.5	93.1	93.2	93.3	93.3	93.4	93.4	93.5	93.5	93.6
GE 1000	76.3	79.8	84.1	87.4	91.0	92.6	93.7	94.2	94.4	94.5	94.5	94.6	94.7	94.7	94.8	94.8
GE 900	76.4	80.0	84.3	87.6	91.4	93.0	94.1	94.7	94.9	94.9	95.0	95.1	95.1	95.2	95.2	95.3
GE 800	76.6	80.2	84.7	88.1	92.0	93.7	94.9	95.5	95.7	95.8	95.8	95.9	96.0	96.0	96.1	96.1
GE 700	76.7	80.4	84.9	88.5	92.6	94.5	95.7	96.4	96.6	96.7	96.8	96.8	96.9	96.9	97.0	97.1
GE 600	76.7	80.4	85.0	88.7	93.0	94.9	96.3	97.1	97.3	97.4	97.5	97.6	97.7	97.7	97.8	97.8
GE 500	76.8	80.5	85.1	88.7	93.2	95.3	96.7	97.6	97.8	97.9	98.1	98.1	98.2	98.2	98.3	98.4
GE 400	76.8	80.5	85.1	88.8	93.3	95.5	97.0	98.0	98.3	98.5	98.6	98.7	98.8	98.9	99.0	99.1
GE 300	76.8	80.5	85.1	88.8	93.4	95.6	97.1	98.2	98.6	98.8	99.0	99.1	99.3	99.4	99.5	99.6
GE 200	76.8	80.5	85.1	88.8	93.4	95.6	97.2	98.3	98.6	98.9	99.1	99.2	99.4	99.5	99.7	99.8
GE 100	76.8	80.5	85.1	88.8	93.4	95.6	97.2	98.3	98.6	98.9	99.1	99.2	99.4	99.5	99.7	100.0
GE 000	76.8	80.5	85.1	88.8	93.4	95.6	97.2	98.3	98.6	98.9	99.1	99.2	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 11863

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: AUG HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.8	46.4	50.1	51.7	53.3	53.8	55.1	55.7	55.7	55.8	56.1	56.1	56.4	56.4	56.4	56.4
GE 20000	46.7	48.5	52.5	54.4	56.5	57.0	58.3	58.9	58.9	59.0	59.3	59.3	59.6	59.6	59.6	59.7
GE 18000	46.7	48.5	52.5	54.4	56.5	57.0	58.3	58.9	58.9	59.0	59.3	59.3	59.6	59.6	59.6	59.7
GE 16000	46.7	48.5	52.5	54.4	56.5	57.0	58.3	58.9	58.9	59.0	59.3	59.3	59.6	59.6	59.6	59.7
GE 14000	47.5	49.4	53.3	55.2	57.4	57.8	59.2	59.7	59.7	59.9	60.2	60.2	60.5	60.5	60.5	60.6
GE 12000	48.4	50.3	54.2	56.1	58.4	58.9	60.2	60.8	60.9	61.2	61.5	61.5	61.8	61.8	61.8	61.9
GE 10000	51.2	53.1	57.1	59.4	61.8	62.2	63.5	64.1	64.2	64.7	65.0	65.0	65.3	65.3	65.3	65.6
GE 9000	51.5	53.3	57.4	59.7	62.1	62.5	63.8	64.4	64.5	65.0	65.3	65.3	65.6	65.6	65.6	65.8
GE 8000	55.1	57.0	61.2	63.8	66.1	66.6	68.2	68.8	68.9	69.3	69.6	69.6	69.9	69.9	70.2	70.5
GE 7000	56.1	58.3	62.8	65.4	67.9	68.3	69.9	70.6	70.8	71.2	71.5	71.5	71.8	71.8	72.1	72.4
GE 6000	57.3	59.6	64.1	66.9	69.8	70.2	71.8	72.5	72.7	73.1	73.4	73.4	73.7	73.7	74.0	74.3
GE 5000	59.0	61.5	66.1	68.9	71.9	72.4	74.0	74.9	75.0	75.4	75.7	75.7	76.0	76.0	76.3	76.6
GE 4500	59.2	61.6	66.3	69.0	72.1	72.5	74.1	75.0	75.1	75.6	75.9	75.9	76.2	76.2	76.5	76.7
GE 4000	59.4	61.9	66.9	69.6	72.7	73.1	74.7	75.6	75.7	76.2	76.5	76.5	76.7	76.7	77.0	77.3
GE 3500	59.6	62.2	67.2	69.9	73.0	73.4	75.0	75.9	76.0	76.5	76.7	76.7	77.0	77.0	77.3	77.6
GE 3000	60.5	63.4	68.5	71.5	74.9	75.3	76.9	77.8	77.9	78.3	78.6	78.6	78.9	78.9	79.2	79.5
GE 2500	61.0	64.0	69.0	72.1	75.4	75.9	77.8	78.6	78.8	79.2	79.5	79.5	79.8	79.8	80.1	80.4
GE 2000	62.6	65.7	70.8	74.1	77.6	78.1	80.2	81.1	81.3	81.7	82.0	82.0	82.3	82.3	82.6	82.8
GE 1800	63.2	66.3	71.4	74.7	78.2	78.6	80.8	81.7	81.8	82.3	82.6	82.6	82.8	82.8	83.1	83.4
GE 1500	64.4	67.7	73.1	76.6	80.4	81.0	83.1	84.2	84.3	84.7	85.0	85.0	85.3	85.3	85.6	85.9
GE 1200	65.1	68.5	74.0	77.6	81.5	82.1	84.3	85.6	85.8	86.2	86.5	86.5	86.8	86.8	87.1	87.4
GE 1000	65.7	69.3	75.7	79.5	83.6	84.2	86.3	87.6	87.8	88.2	88.5	88.5	88.8	88.8	89.1	89.4
GE 900	65.8	69.6	76.0	79.8	83.9	84.7	86.9	88.2	88.4	88.8	89.1	89.1	89.5	89.5	89.8	90.1
GE 800	66.3	70.1	76.9	80.7	84.9	86.0	88.4	89.7	89.8	90.3	90.6	90.6	91.0	91.0	91.3	91.6
GE 700	66.6	70.5	77.3	81.5	85.8	86.9	89.5	90.8	91.0	91.4	91.7	91.7	92.2	92.2	92.4	92.7
GE 600	66.9	70.8	77.8	82.1	86.9	88.2	91.1	92.4	92.6	93.0	93.3	93.3	93.8	93.8	94.0	94.6
GE 500	66.9	70.8	78.1	82.6	87.9	89.2	92.3	94.0	94.2	94.6	94.9	94.9	95.3	95.5	95.8	96.4
GE 400	66.9	70.8	78.1	82.6	87.9	90.0	93.2	94.9	95.1	95.5	95.9	95.9	96.4	96.5	96.8	97.4
GE 300	66.9	70.8	78.1	82.6	87.9	90.4	93.9	96.1	96.2	96.7	97.2	97.2	97.7	97.8	98.1	98.7
GE 200	66.9	70.8	78.1	82.6	87.9	90.4	93.9	96.5	96.7	97.1	97.7	97.7	98.1	98.3	98.7	99.7
GE 100	66.9	70.8	78.1	82.6	87.9	90.6	94.0	96.7	96.8	97.2	97.8	97.8	98.3	98.4	98.8	100.0
GE 000	66.9	70.8	78.1	82.6	87.9	90.6	94.0	96.7	96.8	97.2	97.8	97.8	98.3	98.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 688

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: AUG HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.7	40.6	44.6	46.0	48.1	48.8	50.6	52.1	52.4	52.9	53.2	53.4	53.5	53.5	53.7	54.3
GE 20000	40.7	42.6	46.9	48.5	51.6	52.5	54.3	56.0	56.3	56.9	57.2	57.4	57.5	57.5	57.6	58.4
GE 18000	40.7	42.6	46.9	48.5	51.6	52.5	54.3	56.0	56.3	56.9	57.2	57.4	57.5	57.5	57.6	58.4
GE 16000	40.7	42.6	46.9	48.5	51.6	52.5	54.3	56.0	56.3	56.9	57.2	57.4	57.5	57.5	57.6	58.4
GE 14000	41.2	43.1	47.4	49.0	52.1	52.9	54.7	56.5	56.8	57.4	57.6	57.8	57.9	57.9	58.1	58.8
GE 12000	42.4	44.3	48.7	50.4	53.5	54.4	56.2	57.9	58.2	58.8	59.1	59.3	59.4	59.4	59.6	60.3
GE 10000	44.4	46.5	51.0	52.8	56.0	56.9	59.1	60.9	61.2	62.1	62.4	62.5	62.6	62.6	62.8	63.7
GE 9000	44.7	46.8	51.3	53.1	56.3	57.2	59.4	61.2	61.5	62.4	62.6	62.8	62.9	62.9	63.1	64.0
GE 8000	47.9	50.0	54.6	56.6	59.9	60.9	63.4	65.1	65.4	66.3	66.6	66.8	66.9	66.9	67.1	67.9
GE 7000	49.7	51.8	56.3	58.4	61.6	62.6	65.1	66.9	67.2	68.1	68.4	68.5	68.7	68.7	68.8	69.7
GE 6000	50.0	52.1	56.6	58.7	61.9	62.9	65.6	67.5	67.9	68.8	69.1	69.3	69.4	69.4	69.6	70.4
GE 5000	50.9	52.9	57.5	59.9	63.4	64.4	67.1	69.0	69.4	70.4	70.7	70.9	71.0	71.0	71.2	72.1
GE 4500	51.2	53.2	57.8	60.1	63.7	64.7	67.4	69.3	69.7	70.7	71.0	71.2	71.3	71.3	71.5	72.4
GE 4000	51.6	53.7	58.4	60.7	64.4	65.4	68.2	70.1	70.6	71.6	71.9	72.1	72.2	72.2	72.4	73.2
GE 3500	51.9	54.0	58.8	61.2	64.9	65.9	68.7	70.6	71.0	72.1	72.4	72.5	72.6	72.6	72.8	73.7
GE 3000	53.4	55.4	60.6	63.1	66.8	67.8	70.6	72.8	73.4	74.4	74.7	74.9	75.0	75.0	75.1	76.0
GE 2500	54.1	56.3	61.6	64.1	67.8	68.8	71.9	74.3	74.9	75.9	76.2	76.3	76.5	76.5	76.6	77.5
GE 2000	54.6	56.8	62.2	64.9	68.8	70.0	73.4	75.9	76.6	77.6	77.9	78.1	78.2	78.2	78.4	79.3
GE 1800	54.6	56.8	62.2	65.0	69.0	70.1	73.5	76.0	76.8	77.8	78.1	78.2	78.4	78.4	78.5	79.4
GE 1500	56.5	58.8	64.4	67.5	71.9	73.1	76.6	79.1	79.9	80.9	81.2	81.3	81.5	81.5	81.6	82.5
GE 1200	57.2	59.7	65.4	69.0	73.4	74.7	78.2	80.7	81.5	82.5	82.8	82.9	83.1	83.1	83.2	84.1
GE 1000	58.2	60.7	66.8	71.0	75.7	77.1	80.7	83.2	84.0	85.0	85.3	85.4	85.6	85.6	85.7	86.6
GE 900	58.4	61.0	67.1	71.5	76.3	77.8	81.6	84.1	84.9	85.9	86.2	86.3	86.5	86.5	86.6	87.6
GE 800	58.7	61.3	67.4	71.9	76.9	78.7	82.5	85.3	86.0	87.1	87.4	87.5	87.6	87.6	87.8	89.0
GE 700	58.7	61.3	67.6	72.6	78.2	80.0	84.3	87.2	87.9	89.0	89.3	89.4	89.6	89.6	89.7	91.0
GE 600	58.7	61.3	67.8	72.8	78.7	80.7	85.1	88.4	89.1	90.1	90.4	90.6	90.7	90.7	90.9	92.2
GE 500	58.7	61.3	68.1	73.2	79.4	81.6	86.3	89.9	90.6	91.6	91.9	92.1	92.2	92.2	92.4	93.7
GE 400	58.7	61.3	68.1	73.2	79.9	82.5	87.6	91.2	92.1	93.2	93.5	93.7	93.8	93.8	94.1	96.0
GE 300	58.7	61.3	68.1	73.2	79.9	82.6	88.2	92.1	92.9	94.1	94.4	94.6	94.7	94.7	95.0	97.6
GE 200	58.7	61.3	68.1	73.2	79.9	82.6	88.2	92.1	92.9	94.4	95.0	95.1	95.3	95.3	95.7	98.7
GE 100	58.7	61.3	68.1	73.2	79.9	82.6	88.7	92.5	93.4	94.9	95.4	95.6	95.7	95.7	96.3	99.3
GE 000	58.7	61.3	68.1	73.2	79.9	82.6	88.7	92.5	93.4	94.9	95.4	95.6	95.7	95.7	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 680



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.8	38.7	40.4	42.0	44.3	45.8	46.7	47.3	47.5	47.6	47.8	47.8	48.1	48.1	48.2	48.5
GE 20000	39.6	41.8	43.8	45.7	48.1	49.8	50.8	51.6	52.0	52.1	52.3	52.3	52.7	52.7	52.8	53.2
GE 18000	39.6	41.8	43.8	45.7	48.1	49.8	50.8	51.6	52.0	52.1	52.3	52.3	52.7	52.7	52.8	53.2
GE 16000	39.6	41.8	43.8	45.7	48.1	49.8	50.8	51.6	52.0	52.1	52.3	52.3	52.7	52.7	52.8	53.2
GE 14000	40.1	42.3	44.3	46.3	48.6	50.3	51.4	52.2	52.5	52.6	52.9	52.9	53.2	53.2	53.4	53.7
GE 12000	41.9	44.4	46.6	48.6	51.2	52.9	54.0	54.8	55.1	55.4	55.6	55.6	56.0	56.0	56.1	56.5
GE 10000	44.5	47.3	49.7	51.9	54.7	56.5	57.8	58.9	59.2	59.5	59.7	59.7	60.0	60.0	60.2	60.6
GE 9000	45.4	48.2	50.6	52.9	55.7	57.6	58.9	59.9	60.3	60.6	60.9	60.9	61.2	61.2	61.3	61.7
GE 8000	47.9	50.9	53.4	55.7	58.9	61.0	62.4	63.5	63.9	64.2	64.5	64.5	64.8	64.8	65.0	65.4
GE 7000	48.7	51.8	54.3	56.7	59.9	62.0	63.5	64.6	65.0	65.4	65.6	65.6	66.0	66.0	66.1	66.5
GE 6000	49.1	52.1	54.6	57.1	60.4	62.6	64.0	65.2	65.5	65.9	66.2	66.2	66.5	66.5	66.7	67.0
GE 5000	50.2	53.4	56.1	58.8	62.0	64.3	65.8	66.9	67.3	67.7	68.0	68.0	68.3	68.3	68.4	68.8
GE 4500	50.7	54.0	56.7	59.3	62.6	64.9	66.5	67.6	68.0	68.3	68.6	68.6	68.9	68.9	69.1	69.5
GE 4000	51.4	54.7	57.5	60.1	63.4	65.8	67.4	68.5	68.9	69.3	69.6	69.6	69.9	69.9	70.1	70.4
GE 3500	52.0	55.3	58.1	60.9	64.2	66.7	68.3	69.4	69.8	70.2	70.5	70.5	70.8	70.8	71.0	71.4
GE 3000	53.0	56.3	59.2	62.1	65.6	68.1	69.8	71.0	71.4	71.8	72.1	72.1	72.4	72.4	72.6	73.0
GE 2500	53.5	57.0	60.0	63.0	66.7	69.3	71.0	72.2	72.6	73.1	73.3	73.3	73.7	73.7	73.8	74.2
GE 2000	54.2	57.7	60.8	64.0	68.2	70.9	72.6	73.8	74.3	74.7	75.0	75.0	75.3	75.3	75.5	75.9
GE 1800	54.6	58.1	61.2	64.5	68.7	71.5	73.2	74.4	74.9	75.3	75.6	75.6	75.9	75.9	76.0	76.4
GE 1500	55.6	59.2	62.8	66.6	71.2	74.2	75.9	77.1	77.6	78.0	78.3	78.3	78.6	78.6	78.8	79.2
GE 1200	56.9	60.6	64.5	69.1	74.0	77.1	79.1	80.3	80.8	81.3	81.5	81.5	81.9	81.9	82.0	82.4
GE 1000	57.4	61.0	65.0	70.0	75.4	78.6	80.8	82.1	82.6	83.0	83.3	83.4	83.7	83.7	83.9	84.3
GE 900	57.6	61.3	65.5	70.7	76.5	79.9	82.2	83.6	84.1	84.5	84.8	84.9	85.2	85.2	85.4	85.8
GE 800	57.6	61.6	65.9	71.1	77.3	80.9	83.5	84.9	85.4	85.8	86.2	86.3	86.6	86.6	86.9	87.3
GE 700	57.7	61.7	66.0	71.4	77.7	81.5	84.4	85.9	86.4	86.8	87.2	87.3	87.6	87.7	87.9	88.3
GE 600	57.7	61.7	66.3	71.7	78.7	82.8	86.0	87.9	88.5	88.9	89.3	89.4	89.7	89.8	90.0	90.5
GE 500	57.8	61.8	66.5	72.1	79.6	84.0	87.2	89.4	90.3	90.8	91.3	91.3	91.7	91.8	92.0	92.6
GE 400	57.9	62.0	66.7	72.4	80.3	84.9	88.5	91.1	92.1	92.9	93.5	93.5	93.9	94.0	94.5	95.1
GE 300	57.9	62.0	66.7	72.4	80.4	85.2	89.2	92.0	93.2	94.1	94.8	94.9	95.4	95.5	96.1	96.9
GE 200	57.9	62.0	66.7	72.4	80.6	85.4	89.4	92.4	93.6	94.7	95.6	95.6	96.3	96.4	97.1	98.1
GE 100	57.9	62.0	66.7	72.4	80.6	85.4	89.5	92.5	93.8	94.8	95.8	95.9	96.5	96.8	97.6	99.4
GE 000	57.9	62.0	66.7	72.4	80.6	85.4	89.5	92.5	93.8	94.9	95.9	95.9	96.6	96.9	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1857

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.2	49.2	51.5	53.3	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 20000	51.6	53.9	56.4	58.4	59.9	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 18000	51.8	54.1	56.6	58.6	60.1	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 16000	51.8	54.1	56.6	58.6	60.1	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 14000	52.2	54.6	57.0	59.1	60.6	60.8	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 12000	54.3	56.7	59.5	61.6	63.1	63.4	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 10000	57.1	59.8	62.7	65.1	66.8	67.2	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 9000	57.4	60.2	63.1	65.6	67.3	67.6	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 8000	59.9	62.8	65.9	68.5	70.2	70.5	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 7000	60.6	63.7	66.8	69.4	71.1	71.5	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 6000	60.9	64.0	67.1	69.7	71.7	72.0	72.3	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 5000	61.6	64.6	67.9	70.6	72.6	73.0	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 4500	62.2	65.3	68.5	71.3	73.3	73.7	73.9	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 4000	63.2	66.5	69.8	72.6	74.7	75.1	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 3500	64.4	67.6	71.0	73.8	76.1	76.6	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 3000	66.6	69.9	73.4	76.3	78.7	79.1	79.6	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 2500	67.9	71.5	75.2	78.4	81.1	81.7	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 2000	69.5	73.3	77.3	80.9	83.8	84.5	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 1800	69.9	73.8	77.8	81.6	84.5	85.2	85.8	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 1500	71.9	76.0	80.5	84.6	87.6	88.4	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1200	73.3	77.6	82.4	86.9	90.2	91.1	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1000	73.7	78.0	83.2	87.9	91.5	92.5	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 900	74.0	78.5	83.8	88.7	92.3	93.4	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 800	74.1	78.8	84.1	89.1	92.9	94.2	94.9	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5
GE 700	74.4	79.1	84.5	89.7	93.5	95.0	95.9	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5
GE 600	74.5	79.2	84.7	90.1	94.2	95.9	97.2	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8
GE 500	74.5	79.4	84.9	90.5	94.9	96.6	98.0	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 400	74.5	79.4	85.2	90.9	95.3	97.1	98.5	99.2	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	74.5	79.4	85.3	91.0	95.5	97.3	98.9	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	74.5	79.4	85.3	91.0	95.5	97.4	99.0	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	74.5	79.4	85.3	91.0	95.5	97.4	99.0	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	74.5	79.4	85.3	91.0	95.5	97.4	99.0	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.6	49.0	50.0	51.0	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 20000	55.4	57.1	58.3	59.7	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 18000	55.5	57.2	58.4	59.8	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 16000	55.5	57.3	58.5	59.9	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 14000	55.9	57.6	58.9	60.3	60.9	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 12000	58.1	60.0	61.3	62.7	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 10000	61.2	63.2	64.6	66.0	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 9000	62.5	64.6	66.0	67.5	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 8000	65.2	67.4	69.0	70.5	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 7000	66.4	68.7	70.4	71.9	72.5	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 6000	66.5	68.9	70.6	72.3	72.8	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 5000	68.0	70.4	72.3	74.1	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 4500	69.9	72.4	74.2	76.1	76.9	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 4000	72.3	74.9	77.0	78.9	79.8	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 3500	74.2	76.9	79.0	81.2	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 3000	76.9	79.8	81.9	84.4	85.8	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 2500	78.9	81.9	84.4	86.9	88.4	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 2000	80.8	83.9	86.5	89.1	90.8	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 1800	81.7	84.7	87.4	90.0	91.7	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1500	82.8	85.9	88.7	91.5	93.3	93.6	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1200	83.8	86.9	90.0	93.1	95.1	95.4	96.0	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2
GE 1000	84.0	87.2	90.4	93.7	95.8	96.1	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 900	84.0	87.3	90.5	93.9	96.2	96.5	97.1	97.2	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4
GE 800	84.1	87.4	90.8	94.4	96.8	97.3	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 700	84.1	87.5	90.8	94.4	96.9	97.5	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4
GE 600	84.2	87.7	91.1	95.0	97.6	98.2	98.9	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 500	84.2	87.8	91.3	95.3	97.9	98.5	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	84.2	87.8	91.3	95.3	98.0	98.7	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
GE 300	84.2	87.8	91.4	95.3	98.1	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	84.2	87.8	91.4	95.3	98.1	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	84.2	87.8	91.4	95.3	98.1	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	84.2	87.8	91.4	95.3	98.1	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.3	50.9	51.8	52.1	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 20000	58.8	60.6	61.7	62.0	63.1	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 18000	58.9	60.8	61.8	62.2	63.2	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 16000	58.9	60.8	61.9	62.2	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 14000	59.2	61.1	62.3	62.6	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 12000	61.8	63.9	65.1	65.4	66.5	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 10000	65.4	67.8	69.1	69.6	70.9	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 9000	66.5	68.9	70.2	70.6	72.0	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 8000	70.2	72.8	74.2	74.8	76.2	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 7000	71.3	74.1	75.5	76.1	77.6	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 6000	71.8	74.6	76.0	76.7	78.2	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 5000	73.7	76.5	78.0	78.7	80.3	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 4500	75.4	78.2	79.7	80.6	82.3	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 4000	77.8	80.8	82.5	83.5	85.3	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 3500	79.4	82.7	84.6	85.8	87.7	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 3000	80.4	83.8	85.8	87.0	89.3	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 2500	81.5	84.9	87.0	88.5	90.8	91.0	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 2000	82.8	86.4	88.5	90.2	92.7	92.8	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1800	83.4	87.0	89.2	90.8	93.3	93.5	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 1500	83.9	87.5	89.8	91.5	94.2	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1200	84.6	88.4	90.9	92.7	95.6	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1000	84.9	88.7	91.3	93.2	96.3	96.7	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 900	84.9	88.7	91.3	93.3	96.5	96.9	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 800	84.9	88.8	91.6	93.7	96.9	97.4	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	85.1	88.9	91.8	93.9	97.2	97.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	85.1	88.9	91.8	93.9	97.2	97.7	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	85.1	88.9	91.8	94.1	97.4	98.0	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	85.1	88.9	91.9	94.1	97.5	98.1	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	85.1	88.9	91.9	94.2	97.6	98.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	85.1	88.9	91.9	94.2	97.6	98.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	85.1	88.9	91.9	94.3	97.6	98.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	85.1	88.9	91.9	94.3	97.6	98.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.3	51.6	53.1	53.8	54.8	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 20000	58.0	60.0	61.7	62.9	64.4	65.0	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 18000	58.2	60.2	62.0	63.2	64.7	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 16000	58.4	60.4	62.2	63.4	64.9	65.4	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 14000	58.7	60.8	62.6	63.8	65.3	65.8	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 12000	60.9	63.0	64.9	66.1	67.6	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 10000	64.3	66.5	68.7	70.2	71.7	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 9000	65.0	67.2	69.5	71.1	72.7	73.2	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 8000	68.4	70.7	73.2	74.8	76.3	76.9	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 7000	69.7	72.0	74.5	76.2	77.9	78.5	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 6000	70.5	72.8	75.3	77.0	78.7	79.3	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 5000	71.6	74.0	76.7	78.4	80.1	80.7	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 4500	73.2	75.8	78.7	80.6	82.3	82.9	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 4000	74.7	77.3	80.4	82.5	84.4	85.0	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 3500	75.6	78.3	81.5	83.6	85.7	86.3	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 3000	76.5	79.3	82.5	84.7	86.9	87.7	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 2500	77.9	80.7	83.9	86.3	88.6	89.5	90.4	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 2000	79.1	82.0	85.3	87.9	90.5	91.6	92.5	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1800	79.1	82.0	85.4	88.0	90.6	91.7	92.6	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 1500	79.8	82.9	86.5	89.3	92.2	93.2	94.3	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1200	80.2	83.4	87.0	90.2	93.2	94.3	95.5	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1000	80.8	84.0	87.6	90.9	94.0	95.4	96.7	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 900	80.8	84.0	87.7	91.0	94.1	95.5	96.8	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 800	80.8	84.0	87.8	91.1	94.5	96.0	97.3	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	80.9	84.2	88.1	91.4	94.8	96.2	97.6	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 600	80.9	84.2	88.1	91.4	94.9	96.4	97.9	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 500	80.9	84.2	88.1	91.4	95.2	96.7	98.2	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
GE 400	81.1	84.3	88.2	91.6	95.4	96.9	98.5	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7
GE 300	81.1	84.3	88.3	91.7	95.5	97.0	98.6	99.3	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9
GE 200	81.1	84.3	88.3	91.7	95.5	97.0	98.6	99.3	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	81.1	84.3	88.3	91.7	95.5	97.0	98.6	99.3	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	81.1	84.3	88.3	91.7	95.5	97.0	98.6	99.3	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1858

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.7	52.5	54.3	55.8	57.1	57.2	57.5	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.1	58.1
GE 20000	55.0	57.2	59.1	60.7	62.5	62.5	63.0	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.7	63.8
GE 18000	55.0	57.2	59.1	60.7	62.5	62.5	63.0	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.7	63.8
GE 16000	55.6	57.8	59.7	61.3	63.1	63.2	63.6	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.4
GE 14000	56.0	58.2	60.1	61.7	63.5	63.6	64.0	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8
GE 12000	57.6	59.8	61.8	63.3	65.1	65.3	66.0	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.8
GE 10000	61.2	63.5	65.4	67.2	69.0	69.1	69.8	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.8
GE 9000	61.5	63.7	65.7	67.4	69.2	69.4	70.1	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.9	71.0
GE 8000	65.4	67.7	69.9	71.8	73.8	74.0	74.7	75.3	75.5	75.5	75.5	75.5	75.6	75.6	75.8	75.8
GE 7000	66.5	68.9	71.2	73.1	75.3	75.4	76.2	76.9	77.1	77.1	77.1	77.2	77.2	77.2	77.4	77.5
GE 6000	67.4	69.7	72.1	74.0	76.2	76.4	77.1	77.8	78.0	78.0	78.0	78.1	78.2	78.2	78.3	78.4
GE 5000	68.9	71.6	74.0	76.1	78.3	78.6	79.3	80.0	80.2	80.2	80.2	80.3	80.4	80.4	80.5	80.6
GE 4500	70.0	72.9	75.4	77.7	80.0	80.2	81.0	81.7	81.9	81.9	81.9	82.0	82.1	82.1	82.3	82.3
GE 4000	71.3	74.4	77.0	79.5	82.0	82.4	83.2	83.9	84.1	84.1	84.1	84.2	84.3	84.3	84.4	84.5
GE 3500	71.4	74.4	77.1	79.7	82.3	82.6	83.4	84.1	84.4	84.4	84.4	84.4	84.5	84.5	84.7	84.8
GE 3000	72.1	75.1	77.8	80.5	83.0	83.4	84.3	85.2	85.5	85.5	85.5	85.5	85.6	85.6	85.8	85.8
GE 2500	72.8	75.8	78.8	81.6	84.3	84.7	85.5	86.5	86.7	86.7	86.7	86.8	86.9	86.9	87.0	87.1
GE 2000	74.0	77.1	80.2	83.3	86.0	86.4	87.5	88.5	88.7	88.7	88.7	88.8	88.9	88.9	89.1	89.1
GE 1800	74.2	77.4	80.8	83.8	86.6	87.0	88.2	89.2	89.4	89.4	89.4	89.5	89.6	89.6	89.8	89.8
GE 1500	75.5	78.7	82.3	85.7	88.6	89.1	90.4	91.4	91.6	91.6	91.6	91.7	91.8	91.8	91.9	92.0
GE 1200	76.5	80.1	84.1	87.8	90.8	91.3	92.6	93.6	93.8	93.8	93.8	93.9	94.0	94.0	94.1	94.2
GE 1000	77.0	80.7	84.7	88.5	91.6	92.3	93.6	94.7	94.9	94.9	94.9	95.0	95.1	95.1	95.2	95.3
GE 900	77.1	80.8	84.8	88.7	92.1	92.8	94.2	95.4	95.6	95.6	95.6	95.7	95.8	95.8	95.9	96.0
GE 800	77.2	80.8	85.2	89.1	92.7	93.4	95.1	96.2	96.5	96.5	96.5	96.6	96.6	96.6	96.8	96.9
GE 700	77.2	81.0	85.5	89.4	93.0	93.9	95.5	96.7	97.0	97.0	97.0	97.0	97.1	97.1	97.3	97.3
GE 600	77.2	81.0	85.5	89.4	93.0	94.1	95.9	97.0	97.3	97.3	97.3	97.3	97.4	97.4	97.6	97.7
GE 500	77.3	81.1	85.5	89.4	93.4	94.4	96.6	97.7	98.0	98.0	98.0	98.1	98.2	98.2	98.4	98.4
GE 400	77.3	81.1	85.5	89.5	93.5	94.7	97.0	98.1	98.4	98.6	98.7	98.7	98.8	98.8	99.0	99.1
GE 300	77.3	81.1	85.5	89.6	93.7	95.0	97.3	98.6	98.9	99.1	99.2	99.3	99.5	99.5	99.7	99.8
GE 200	77.3	81.1	85.5	89.6	93.7	95.0	97.3	98.7	99.0	99.1	99.4	99.5	99.7	99.7	99.8	99.9
GE 100	77.3	81.1	85.5	89.6	93.7	95.0	97.3	98.7	99.0	99.1	99.4	99.5	99.7	99.7	99.8	99.9
GE 000	77.3	81.1	85.5	89.6	93.7	95.0	97.3	98.7	99.0	99.1	99.4	99.5	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1279

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.2	47.9	49.7	50.8	52.1	52.5	52.9	53.2	53.2	53.3	53.3	53.3	53.4	53.4	53.5	53.5
GE 20000	51.9	53.9	55.9	57.4	58.9	59.4	60.0	60.3	60.4	60.5	60.5	60.5	60.6	60.6	60.7	60.8
GE 18000	52.0	54.0	56.0	57.5	59.1	59.5	60.1	60.4	60.5	60.6	60.6	60.6	60.7	60.7	60.8	60.9
GE 16000	52.1	54.1	56.1	57.6	59.2	59.7	60.2	60.5	60.6	60.7	60.8	60.8	60.8	60.8	60.9	61.0
GE 14000	52.5	54.6	56.6	58.0	59.6	60.1	60.7	61.0	61.1	61.1	61.2	61.2	61.3	61.3	61.3	61.5
GE 12000	54.5	56.6	58.8	60.3	61.9	62.4	63.0	63.4	63.5	63.5	63.6	63.6	63.7	63.7	63.7	63.9
GE 10000	57.6	59.9	62.2	63.9	65.6	66.2	66.8	67.2	67.3	67.4	67.5	67.5	67.6	67.6	67.6	67.8
GE 9000	58.3	60.7	63.0	64.7	66.5	67.0	67.7	68.1	68.2	68.3	68.4	68.4	68.4	68.4	68.5	68.6
GE 8000	61.4	63.9	66.4	68.2	70.0	70.6	71.4	71.7	71.9	72.0	72.1	72.1	72.2	72.2	72.2	72.4
GE 7000	62.5	65.1	67.6	69.5	71.4	72.0	72.7	73.2	73.3	73.4	73.5	73.5	73.6	73.6	73.7	73.8
GE 6000	63.0	65.6	68.1	70.0	72.0	72.7	73.4	73.9	74.0	74.1	74.2	74.2	74.3	74.3	74.4	74.5
GE 5000	64.3	67.0	69.7	71.7	73.7	74.4	75.1	75.6	75.7	75.9	76.0	76.0	76.1	76.1	76.1	76.3
GE 4500	65.4	68.2	70.9	73.0	75.1	75.7	76.5	77.0	77.1	77.3	77.3	77.4	77.4	77.4	77.5	77.7
GE 4000	66.8	69.7	72.6	74.8	77.0	77.7	78.5	78.9	79.1	79.2	79.3	79.3	79.4	79.4	79.5	79.6
GE 3500	67.8	70.8	73.7	76.0	78.4	79.1	79.9	80.4	80.5	80.7	80.8	80.8	80.9	80.9	80.9	81.1
GE 3000	69.3	72.3	75.3	77.8	80.2	81.0	81.9	82.4	82.6	82.7	82.8	82.8	82.9	82.9	83.0	83.1
GE 2500	70.4	73.6	76.7	79.3	81.9	82.7	83.7	84.3	84.4	84.6	84.7	84.7	84.8	84.8	84.8	85.0
GE 2000	71.7	74.9	78.2	81.0	83.9	84.8	85.9	86.5	86.7	86.8	86.9	86.9	87.0	87.0	87.1	87.2
GE 1800	72.1	75.4	78.7	81.6	84.5	85.4	86.5	87.1	87.3	87.4	87.5	87.5	87.6	87.6	87.7	87.8
GE 1500	73.3	76.6	80.3	83.4	86.5	87.5	88.6	89.2	89.4	89.6	89.6	89.7	89.8	89.8	89.8	90.0
GE 1200	74.2	77.7	81.6	85.1	88.4	89.4	90.7	91.3	91.5	91.7	91.7	91.7	91.8	91.8	91.9	92.0
GE 1000	74.6	78.2	82.2	85.9	89.5	90.6	92.0	92.6	92.8	93.0	93.1	93.1	93.2	93.2	93.3	93.4
GE 900	74.7	78.4	82.5	86.3	90.0	91.2	92.6	93.3	93.5	93.7	93.7	93.8	93.9	93.9	93.9	94.1
GE 800	74.8	78.5	82.8	86.7	90.6	91.9	93.4	94.2	94.4	94.6	94.7	94.7	94.8	94.8	94.9	95.0
GE 700	75.0	78.7	83.0	87.0	91.0	92.5	94.1	94.9	95.1	95.3	95.4	95.4	95.5	95.5	95.6	95.7
GE 600	75.0	78.8	83.2	87.3	91.5	93.1	94.9	95.8	96.0	96.2	96.3	96.3	96.4	96.4	96.5	96.7
GE 500	75.0	78.8	83.3	87.5	92.0	93.7	95.5	96.5	96.9	97.0	97.2	97.2	97.3	97.3	97.4	97.6
GE 400	75.1	78.9	83.4	87.7	92.3	94.1	96.2	97.2	97.6	97.8	98.0	98.0	98.1	98.2	98.3	98.6
GE 300	75.1	78.9	83.5	87.7	92.4	94.3	96.5	97.7	98.1	98.3	98.6	98.6	98.7	98.8	98.9	99.2
GE 200	75.1	78.9	83.5	87.7	92.4	94.3	96.5	97.8	98.2	98.5	98.8	98.8	99.0	99.0	99.2	99.6
GE 100	75.1	78.9	83.5	87.8	92.4	94.3	96.6	97.8	98.2	98.6	98.9	98.9	99.1	99.1	99.3	99.9
GE 000	75.1	78.9	83.5	87.8	92.4	94.3	96.6	97.9	98.3	98.6	98.9	98.9	99.1	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 11942

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.4	40.1	41.6	42.6	45.1	46.5	47.7	48.8	49.3	50.1	50.7	50.7	50.9	51.0	51.2	51.5
GE 20000	40.7	41.4	42.9	43.9	46.5	48.0	49.4	50.9	51.3	52.2	52.8	52.8	53.1	53.2	53.3	53.6
GE 18000	40.8	41.6	43.0	44.0	46.7	48.1	49.6	51.0	51.5	52.3	52.9	52.9	53.2	53.3	53.5	53.8
GE 16000	41.0	41.7	43.2	44.2	46.8	48.3	49.7	51.2	51.6	52.5	53.1	53.1	53.3	53.5	53.6	53.9
GE 14000	41.0	41.7	43.2	44.2	46.8	48.3	49.7	51.2	51.6	52.5	53.1	53.1	53.3	53.5	53.6	53.9
GE 12000	41.6	42.3	43.8	44.8	47.4	48.8	50.3	51.9	52.3	53.2	53.8	53.8	54.1	54.2	54.4	54.7
GE 10000	43.9	44.6	46.5	47.5	50.3	51.7	53.2	54.8	55.2	56.1	56.7	56.7	57.0	57.1	57.3	57.6
GE 9000	44.6	45.3	47.7	48.7	51.5	52.9	54.4	56.0	56.4	57.3	57.8	57.8	58.1	58.3	58.4	58.7
GE 8000	47.1	48.3	51.2	52.3	55.5	57.0	58.4	60.0	60.5	61.3	61.9	61.9	62.4	62.5	62.6	62.9
GE 7000	48.7	49.9	52.8	54.1	57.3	58.7	60.3	62.4	62.8	63.7	64.2	64.2	64.7	64.8	65.0	65.3
GE 6000	49.3	50.6	53.5	54.8	58.0	59.4	61.0	63.1	63.5	64.4	65.0	65.0	65.4	65.6	65.7	66.0
GE 5000	51.2	52.5	55.4	56.7	59.9	61.3	62.9	65.0	65.4	66.3	66.9	66.9	67.3	67.4	67.6	67.9
GE 4500	52.0	53.5	56.4	57.7	60.9	62.4	64.0	66.0	66.4	67.3	67.9	67.9	68.3	68.5	68.6	68.9
GE 4000	53.3	54.8	57.7	59.0	62.6	64.1	65.8	67.9	68.3	69.2	69.8	69.8	70.2	70.3	70.5	70.8
GE 3500	54.8	56.3	59.4	60.8	64.4	65.8	67.7	69.8	70.2	71.1	71.7	71.7	72.1	72.2	72.4	72.7
GE 3000	57.6	59.2	62.4	63.7	67.3	69.0	71.1	73.4	73.8	74.1	75.3	75.3	75.7	75.9	76.0	76.3
GE 2500	58.0	59.6	62.9	64.2	67.9	69.8	71.8	74.3	74.7	75.6	76.2	76.2	76.6	76.7	76.9	77.2
GE 2000	59.3	60.9	64.7	66.0	69.6	71.7	73.8	76.7	77.2	78.1	78.6	78.6	79.1	79.2	79.4	79.7
GE 1800	60.0	61.6	65.6	66.9	70.5	73.0	75.1	78.1	78.5	79.4	79.9	79.9	80.4	80.5	80.7	81.0
GE 1500	61.2	62.9	66.9	68.3	72.1	74.6	76.7	79.8	80.2	81.1	81.7	81.7	82.1	82.3	82.4	82.7
GE 1200	64.0	66.3	70.5	71.9	75.9	78.3	80.5	83.9	84.3	85.2	85.8	85.8	86.2	86.3	86.5	86.8
GE 1000	65.3	67.7	72.1	73.5	77.6	80.1	82.3	85.6	86.0	86.9	87.5	87.5	87.9	88.1	88.2	88.5
GE 900	65.3	67.7	72.1	73.7	78.1	80.5	82.7	86.2	86.6	87.5	88.1	88.1	88.5	88.7	88.8	89.1
GE 800	65.4	67.9	72.4	74.1	78.9	81.8	84.2	87.6	88.1	89.0	89.5	89.5	90.0	90.1	90.3	90.6
GE 700	65.4	67.9	72.4	74.6	80.1	83.4	85.8	89.4	89.8	90.7	91.4	91.4	91.9	92.0	92.2	92.4
GE 600	65.7	68.2	72.7	74.9	80.5	84.0	86.3	90.3	90.7	91.6	92.3	92.6	93.0	93.2	93.3	93.6
GE 500	65.7	68.2	72.7	74.9	80.7	84.2	86.6	91.3	91.7	92.6	93.3	93.6	94.0	94.2	94.3	94.6
GE 400	65.7	68.3	72.8	75.0	80.8	84.3	87.2	92.7	93.2	94.0	94.9	95.2	95.9	96.1	96.2	96.7
GE 300	65.7	68.3	72.8	75.0	80.8	84.6	87.5	93.2	94.0	95.1	96.2	96.5	97.2	97.4	97.5	98.1
GE 200	65.7	68.3	72.8	75.0	80.8	84.6	87.5	93.5	94.6	95.6	96.8	97.1	97.8	98.1	98.3	99.1
GE 100	65.7	68.3	72.8	75.0	80.8	84.6	87.5	93.5	94.8	95.9	97.1	97.4	98.1	98.4	98.7	99.7
GE 000	65.7	68.3	72.8	75.0	80.8	84.6	87.5	93.5	94.8	95.9	97.1	97.4	98.1	98.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 688



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.9	37.6	38.3	38.8	40.2	40.9	42.2	44.3	44.6	45.3	45.6	45.7	46.4	46.4	47.2	47.8
GE 20000	38.8	39.5	40.3	41.1	42.5	43.4	44.7	47.0	47.3	48.0	48.5	48.6	49.3	49.3	50.1	50.7
GE 18000	38.8	39.5	40.3	41.1	42.5	43.4	44.7	47.0	47.3	48.0	48.5	48.6	49.3	49.3	50.1	50.7
GE 16000	38.8	39.5	40.3	41.1	42.5	43.4	44.7	47.0	47.3	48.0	48.5	48.6	49.3	49.3	50.1	50.7
GE 14000	38.8	39.5	40.3	41.1	42.5	43.4	44.7	47.0	47.3	48.0	48.5	48.6	49.3	49.3	50.1	50.7
GE 12000	39.8	40.5	41.4	42.1	43.5	44.4	45.7	48.3	48.6	49.3	49.8	49.9	50.7	50.7	51.5	52.1
GE 10000	40.6	41.4	42.2	43.0	44.6	45.4	47.2	49.9	50.2	50.9	51.4	51.5	52.2	52.2	53.1	54.0
GE 9000	41.5	42.4	43.5	44.3	45.7	46.7	48.5	51.2	51.5	52.2	52.7	52.8	53.6	53.6	54.4	55.3
GE 8000	44.1	45.4	46.9	47.6	49.5	50.5	52.5	55.4	55.7	56.5	56.9	57.0	57.8	57.8	58.6	59.5
GE 7000	44.7	46.0	47.5	48.3	50.4	51.4	53.4	56.6	56.9	57.6	58.1	58.2	58.9	58.9	59.8	60.7
GE 6000	45.1	46.4	47.9	48.8	50.8	51.8	53.8	57.0	57.3	58.1	58.5	58.6	59.4	59.4	60.2	61.1
GE 5000	46.9	48.2	49.9	50.8	52.8	53.8	55.9	59.1	59.4	60.1	60.5	60.7	61.4	61.4	62.3	63.1
GE 4500	47.8	49.1	50.8	52.0	54.0	55.0	57.0	60.2	60.5	61.2	61.7	61.8	62.6	62.6	63.4	64.3
GE 4000	48.9	50.2	52.0	53.1	55.3	56.3	58.3	61.5	61.8	62.6	63.0	63.1	63.9	63.9	64.7	65.6
GE 3500	50.4	51.8	53.6	54.7	56.9	57.9	59.9	63.1	63.6	64.3	64.7	64.9	65.6	65.6	66.5	67.3
GE 3000	52.7	54.1	56.0	57.2	59.4	60.4	62.6	65.7	66.2	66.9	67.3	67.5	68.2	68.2	69.1	70.0
GE 2500	53.7	55.2	57.2	58.3	60.5	61.5	63.7	66.9	67.3	68.1	68.5	68.7	69.4	69.4	70.2	71.1
GE 2000	55.9	57.5	59.5	60.7	62.8	64.2	66.5	70.0	70.4	71.1	71.6	71.7	72.4	72.4	73.3	74.2
GE 1800	56.7	58.5	60.8	62.0	64.2	65.5	67.8	71.3	71.7	72.4	72.9	73.0	73.7	73.7	74.6	75.5
GE 1500	58.2	59.9	62.3	63.6	65.7	67.1	69.4	72.9	73.3	74.0	74.5	74.6	75.3	75.3	76.2	77.1
GE 1200	61.1	63.1	65.5	67.1	69.7	71.0	73.7	77.2	77.6	78.4	78.8	79.0	79.7	79.7	80.6	81.4
GE 1000	62.3	64.4	67.1	68.8	71.7	73.0	75.8	79.4	79.8	80.6	81.0	81.1	81.9	81.9	82.7	83.6
GE 900	62.8	65.0	67.9	70.0	72.9	74.2	76.9	81.0	81.4	82.1	82.6	82.7	83.5	83.5	84.3	85.2
GE 800	63.4	65.6	68.5	70.8	74.2	75.5	78.2	82.3	82.7	83.5	83.9	84.0	84.8	84.8	85.6	86.5
GE 700	63.4	65.6	68.5	70.8	74.7	76.3	79.2	83.5	83.9	84.6	85.1	85.2	85.9	85.9	86.8	87.7
GE 600	63.4	65.6	68.7	71.1	75.0	77.1	80.1	85.1	85.8	86.8	87.2	87.4	88.1	88.1	89.0	89.8
GE 500	63.4	65.6	68.8	71.4	75.8	77.9	81.0	86.5	87.4	88.4	89.0	89.1	89.8	89.8	90.7	91.6
GE 400	63.4	65.6	68.8	71.4	75.9	78.4	82.3	88.2	89.7	90.7	91.3	91.6	92.3	92.3	93.2	94.5
GE 300	63.4	65.6	68.8	71.4	75.9	78.5	82.6	88.5	90.1	91.1	91.9	92.2	92.9	93.3	94.3	95.6
GE 200	63.4	65.6	68.8	71.4	75.9	78.5	82.9	89.0	90.6	91.7	92.7	93.2	94.0	94.5	95.6	97.1
GE 100	63.4	65.6	68.8	71.4	75.9	78.5	82.9	89.0	90.7	91.9	92.9	93.3	94.3	94.8	95.9	97.5
GE 000	63.4	65.6	68.8	71.4	75.9	78.5	82.9	89.0	90.7	91.9	92.9	93.3	94.3	94.8	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS 689

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.4	37.1	38.6	39.2	40.4	41.1	42.3	42.8	42.9	43.5	43.9	43.9	44.1	44.2	44.2	44.7
GE 20000	39.2	40.2	42.2	43.2	44.6	45.4	46.7	47.3	47.4	48.1	48.6	48.7	48.9	48.9	49.1	49.8
GE 18000	39.3	40.3	42.3	43.3	44.7	45.5	46.8	47.4	47.6	48.2	48.7	48.8	49.0	49.1	49.2	49.9
GE 16000	39.3	40.3	42.3	43.3	44.7	45.5	46.8	47.4	47.6	48.2	48.7	48.8	49.0	49.1	49.2	49.9
GE 14000	39.6	40.6	42.6	43.6	45.1	45.9	47.2	47.8	48.0	48.7	49.2	49.3	49.5	49.6	49.7	50.4
GE 12000	40.7	41.7	43.8	44.9	46.4	47.3	48.6	49.3	49.5	50.2	50.8	50.9	51.1	51.2	51.3	52.0
GE 10000	42.6	43.7	46.1	47.5	49.1	50.2	51.6	52.3	52.5	53.2	53.8	53.9	54.2	54.2	54.4	55.3
GE 9000	43.6	44.7	47.2	48.6	50.2	51.2	52.7	53.4	53.6	54.3	54.9	55.0	55.3	55.3	55.5	56.4
GE 8000	45.8	47.2	49.7	51.2	53.1	54.1	55.7	56.6	56.7	57.4	58.2	58.2	58.5	58.6	58.8	59.7
GE 7000	46.8	48.2	50.7	52.4	54.3	55.4	56.9	57.8	58.1	58.8	59.5	59.6	59.8	59.9	60.1	61.1
GE 6000	47.3	48.8	51.3	52.9	54.9	56.0	57.6	58.4	58.7	59.4	60.1	60.2	60.4	60.5	60.7	61.7
GE 5000	48.2	49.7	52.2	53.9	56.1	57.2	58.8	59.7	59.9	60.7	61.4	61.4	61.7	61.8	62.0	62.9
GE 4500	49.0	50.4	53.0	54.7	56.8	57.9	59.6	60.5	60.7	61.4	62.2	62.2	62.5	62.6	62.8	63.7
GE 4000	49.8	51.3	53.9	55.7	57.8	58.9	60.6	61.4	61.7	62.4	63.1	63.2	63.4	63.5	63.7	64.7
GE 3500	50.8	52.3	55.0	56.8	59.0	60.3	61.9	62.9	63.1	63.8	64.6	64.6	64.9	64.9	65.2	66.2
GE 3000	51.7	53.3	56.1	57.8	60.1	61.4	63.1	64.2	64.4	65.1	65.9	65.9	66.2	66.3	66.6	67.5
GE 2500	52.9	54.7	57.5	59.5	61.9	63.3	64.9	66.0	66.2	66.9	67.7	67.8	68.1	68.1	68.4	69.3
GE 2000	54.4	56.3	59.2	61.2	63.9	65.3	67.2	68.3	68.5	69.3	70.1	70.1	70.4	70.4	70.7	71.7
GE 1800	54.8	56.8	59.6	61.8	64.5	65.9	67.7	68.8	69.1	69.8	70.6	70.7	70.9	71.0	71.3	72.2
GE 1500	56.4	58.6	61.7	64.1	67.1	68.6	70.4	71.5	71.7	72.5	73.3	73.3	73.6	73.7	73.9	74.9
GE 1200	58.6	60.9	64.3	67.2	70.6	72.0	73.9	75.0	75.2	76.0	76.8	76.8	77.1	77.2	77.4	78.4
GE 1000	59.9	62.6	66.1	69.4	73.1	74.6	76.7	77.8	78.1	78.8	79.6	79.7	79.9	80.0	80.3	81.2
GE 900	60.3	63.1	66.8	70.2	73.9	75.6	77.7	78.9	79.2	80.1	80.8	80.9	81.2	81.2	81.5	82.4
GE 800	60.4	63.2	67.0	70.5	74.4	76.2	78.7	80.1	80.3	81.2	82.0	82.1	82.3	82.4	82.7	83.6
GE 700	60.8	63.6	67.5	71.2	75.5	77.7	80.2	81.8	82.2	83.1	83.9	84.0	84.3	84.3	84.6	85.6
GE 600	60.8	63.7	67.6	71.4	75.9	78.3	81.1	82.8	83.3	84.2	85.1	85.1	85.4	85.4	85.7	86.7
GE 500	60.8	63.7	67.6	71.7	76.4	79.2	82.0	83.9	84.4	85.4	86.3	86.4	86.8	86.8	87.2	88.1
GE 400	60.9	63.8	67.8	71.9	77.0	79.9	82.9	85.1	85.9	87.0	88.2	88.3	88.7	88.8	89.2	90.3
GE 300	61.0	63.8	67.8	72.1	77.2	80.3	83.4	86.1	87.1	88.3	89.7	89.7	90.2	90.4	90.9	92.2
GE 200	61.0	63.8	67.8	72.1	77.2	80.3	83.6	86.3	87.4	88.8	90.4	90.6	91.3	91.8	92.9	95.0
GE 100	61.0	63.8	67.8	72.1	77.2	80.3	83.6	86.3	87.4	88.8	90.4	90.6	91.4	92.2	93.9	98.2
GE 000	61.0	63.8	67.8	72.1	77.2	80.3	83.6	86.3	87.4	88.8	90.4	90.6	91.4	92.2	94.1	100.0

TOTAL NUMBER OF OBSERVATIONS 1800

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.6	45.6	47.2	48.8	49.6	49.8	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.2
GE 20000	50.0	51.2	53.2	55.0	55.9	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.5	56.5
GE 18000	50.0	51.2	53.2	55.0	55.9	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.5	56.5
GE 16000	50.0	51.2	53.2	55.0	55.9	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.5	56.5
GE 14000	50.1	51.3	53.2	55.2	56.1	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7
GE 12000	51.1	52.3	54.3	56.2	57.2	57.4	57.7	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9
GE 10000	52.7	54.2	56.1	58.2	59.4	59.7	59.9	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.3	60.3
GE 9000	53.9	55.4	57.4	59.6	60.7	61.1	61.3	61.4	61.4	61.5	61.6	61.6	61.6	61.6	61.6	61.6
GE 8000	56.4	58.0	59.9	62.1	63.4	63.8	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.4	64.4
GE 7000	57.7	59.2	61.2	63.4	64.7	65.1	65.3	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.7	65.7
GE 6000	58.3	59.9	61.9	64.1	65.4	65.8	66.1	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.4	66.4
GE 5000	59.9	61.7	63.7	66.0	67.3	67.8	68.0	68.1	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3
GE 4500	60.6	62.4	64.4	66.8	68.2	68.7	68.9	69.0	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2
GE 4000	62.3	64.2	66.2	68.6	70.3	70.8	71.0	71.1	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3
GE 3500	63.9	65.8	68.2	70.6	72.2	72.7	72.9	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.3	73.3
GE 3000	66.3	68.3	70.8	73.3	75.0	75.6	75.8	75.9	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1
GE 2500	68.0	70.1	72.6	75.2	77.1	77.7	77.9	78.0	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2
GE 2000	70.9	73.3	75.9	78.6	80.6	81.2	81.4	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.8	81.8
GE 1800	71.6	74.1	76.8	79.4	81.6	82.2	82.4	82.6	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8
GE 1500	73.6	76.3	79.3	82.1	84.4	85.1	85.4	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.8	85.8
GE 1200	75.8	78.8	82.1	85.1	87.6	88.3	88.8	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.2	89.2
GE 1000	76.8	80.1	83.5	86.9	89.7	90.4	91.2	91.3	91.3	91.4	91.5	91.5	91.5	91.5	91.6	91.6
GE 900	76.9	80.4	84.2	87.8	90.7	91.5	92.2	92.4	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6
GE 800	77.1	80.8	84.8	88.4	91.3	92.3	93.2	93.4	93.4	93.5	93.6	93.6	93.6	93.6	93.6	93.6
GE 700	77.3	81.1	85.2	89.0	92.2	93.4	94.4	94.9	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2
GE 600	77.4	81.3	85.4	89.2	92.6	93.9	95.1	95.7	95.7	95.9	96.0	96.0	96.0	96.0	96.1	96.1
GE 500	77.4	81.3	85.4	89.4	92.9	94.2	95.5	96.3	96.4	96.7	96.8	96.8	96.8	96.8	96.8	96.8
GE 400	77.4	81.3	85.4	89.5	93.3	94.7	96.2	97.3	97.5	97.8	97.9	97.9	97.9	97.9	98.0	98.0
GE 300	77.4	81.3	85.4	89.5	93.5	94.9	96.7	98.1	98.3	98.6	98.7	98.7	98.8	98.9	99.0	99.1
GE 200	77.4	81.3	85.4	89.5	93.5	95.0	96.8	98.3	98.5	98.8	98.9	99.1	99.4	99.7	99.8	99.8
GE 100	77.4	81.3	85.4	89.5	93.5	95.0	96.8	98.3	98.5	98.8	98.9	99.1	99.4	99.7	99.9	100.0
GE 000	77.4	81.3	85.4	89.5	93.5	95.0	96.8	98.3	98.5	98.8	98.9	99.1	99.4	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1800

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA

PERIOD OF RECORD: SEP 69 - AUG 89

LST TO UTC: + 5

MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.9	46.1	46.4	47.2	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 20000	51.5	52.8	53.2	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 18000	51.5	52.8	53.2	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 16000	51.5	52.8	53.2	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 14000	51.7	53.0	53.4	54.2	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 12000	52.8	54.3	54.8	55.6	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 10000	55.5	57.1	57.5	58.3	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 9000	56.2	57.8	58.3	59.2	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 8000	59.4	61.1	61.6	62.4	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 7000	61.1	62.7	63.2	64.1	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 6000	62.4	64.1	64.6	65.5	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 5000	64.6	66.2	66.8	67.8	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 4500	66.5	68.2	68.9	69.9	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 4000	70.2	71.9	72.7	73.7	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 3500	73.7	75.8	76.7	77.7	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 3000	76.4	78.5	79.7	80.8	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 2500	78.6	80.7	82.1	83.5	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 2000	81.7	83.8	85.3	86.9	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 1800	82.2	84.5	86.1	87.8	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 1500	84.2	86.6	88.4	90.2	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 1200	85.2	87.8	90.1	92.1	94.2	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1000	85.8	88.7	91.1	93.3	95.5	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 900	86.0	88.8	91.3	93.7	95.9	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 800	86.1	89.0	91.7	94.2	96.5	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 700	86.2	89.1	91.7	94.3	96.8	97.7	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 600	86.2	89.1	91.9	94.6	97.2	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	86.2	89.1	91.9	94.6	97.3	98.3	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	86.2	89.1	91.9	94.7	97.4	98.4	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
GE 300	86.2	89.1	91.9	94.7	97.4	98.6	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	86.2	89.1	91.9	94.7	97.4	98.6	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	86.2	89.1	91.9	94.7	97.4	98.6	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	86.2	89.1	91.9	94.7	97.4	98.6	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1800

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.1	47.6	48.5	49.1	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 20000	54.9	55.5	56.5	57.2	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 18000	54.9	55.5	56.5	57.2	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 16000	54.9	55.5	56.5	57.2	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 14000	55.7	56.3	57.3	58.1	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 12000	57.1	57.8	59.0	59.7	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 10000	59.7	60.6	61.8	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 9000	60.6	61.5	62.8	63.6	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 8000	63.5	64.5	65.9	66.8	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 7000	64.2	65.2	67.5	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 6000	66.9	68.1	69.5	70.4	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 5000	70.2	71.5	73.0	73.9	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 4500	71.8	73.0	74.7	75.6	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 4000	74.6	76.1	78.2	79.2	79.9	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 3500	76.8	78.4	80.4	81.5	82.2	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 3000	79.7	81.3	83.6	84.7	85.5	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 2500	82.3	84.1	86.6	87.8	88.7	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 2000	83.1	85.2	87.9	89.3	90.4	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1800	83.6	85.7	88.4	89.9	91.2	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 1500	84.6	86.8	89.8	91.6	93.2	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1200	85.5	87.7	90.9	93.1	95.1	95.7	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1000	85.8	88.0	91.4	93.7	95.8	96.5	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 900	85.9	88.1	91.6	94.0	96.3	97.1	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 800	86.1	88.3	92.0	94.5	97.1	97.9	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	86.1	88.3	92.0	94.5	97.1	97.9	98.4	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	86.1	88.3	92.0	94.5	97.1	98.0	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	86.1	88.3	92.0	94.5	97.1	98.0	98.7	99.1	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4
GE 400	86.1	88.3	92.0	94.5	97.1	98.1	98.8	99.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7
GE 300	86.1	88.3	92.0	94.5	97.1	98.1	98.8	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8
GE 200	86.1	88.3	92.0	94.5	97.1	98.1	98.8	99.2	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9
GE 100	86.1	88.3	92.0	94.5	97.1	98.1	98.8	99.2	99.4	99.7	99.8	99.9	99.9	99.9	100.0	100.0
GE 000	86.1	88.3	92.0	94.5	97.1	98.1	98.8	99.2	99.4	99.7	99.8	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1798

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.8	50.7	51.5	52.0	52.9	53.2	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
GE 20000	55.4	56.3	57.4	58.2	59.2	59.5	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 18000	55.5	56.4	57.5	58.3	59.3	59.6	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 16000	55.5	56.4	57.5	58.3	59.3	59.6	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 14000	56.0	56.9	58.0	58.8	59.8	60.1	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 12000	57.0	58.0	59.2	60.0	61.0	61.4	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 10000	60.1	61.0	62.2	63.0	64.1	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 9000	61.3	62.3	63.4	64.3	65.3	65.7	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 8000	65.1	66.2	67.6	68.6	69.7	70.1	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 7000	66.2	67.3	68.9	69.9	71.0	71.4	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 6000	67.4	68.7	70.2	71.3	72.5	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 5000	70.1	71.5	73.2	74.5	75.8	76.2	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 4500	71.3	72.8	74.7	76.0	77.4	77.7	78.0	78.2	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3
GE 4000	73.2	74.8	76.9	78.4	80.0	80.4	80.6	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 3500	74.7	76.4	78.6	80.3	82.0	82.4	82.7	82.9	82.9	83.0	83.0	83.1	83.1	83.1	83.1	83.1
GE 3000	76.5	78.2	80.7	82.6	84.4	84.9	85.2	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 2500	78.0	79.9	82.6	84.8	86.8	87.2	87.5	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 2000	79.9	82.0	84.8	87.0	89.0	89.6	90.0	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 1800	80.1	82.2	85.1	87.4	89.4	90.1	90.5	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1500	81.3	83.6	86.5	89.1	91.4	92.1	92.6	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1200	82.1	84.5	87.6	90.8	93.4	94.4	95.0	95.4	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6
GE 1000	82.4	84.9	88.0	91.4	94.3	95.3	96.0	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 900	82.4	84.9	88.2	91.6	94.5	95.6	96.4	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 800	82.7	85.3	88.6	92.1	95.2	96.2	97.0	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 700	82.7	85.3	88.7	92.2	95.3	96.4	97.3	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 600	82.7	85.3	88.7	92.2	95.3	96.4	97.5	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 500	82.7	85.3	88.7	92.2	95.7	96.8	97.9	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0
GE 400	82.7	85.3	88.7	92.2	95.9	97.0	98.3	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	82.7	85.3	88.7	92.2	95.9	97.0	98.3	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9
GE 200	82.7	85.3	88.7	92.2	95.9	97.0	98.3	99.1	99.4	99.7	99.8	99.9	99.9	99.9	100.0	100.0
GE 100	82.7	85.3	88.7	92.2	95.9	97.0	98.3	99.1	99.4	99.7	99.8	99.9	99.9	99.9	100.0	100.0
GE 000	82.7	85.3	88.7	92.2	95.9	97.0	98.3	99.1	99.4	99.7	99.8	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1797

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE n
NO CEIL	48.1	48.9	51.1	52.0	53.3	54.0	54.4	54.6	54.8	54.8	54.8	54.8	54.9	55.0	55.0	55.1
GE 20000	51.1	52.2	54.7	55.8	57.3	57.9	58.5	58.7	59.0	59.0	59.0	59.0	59.1	59.2	59.2	59.3
GE 18000	51.2	52.3	54.8	55.9	57.4	58.0	58.6	58.8	59.0	59.0	59.0	59.0	59.2	59.3	59.3	59.4
GE 16000	51.2	52.3	54.8	55.9	57.4	58.0	58.6	58.8	59.0	59.0	59.0	59.0	59.2	59.3	59.3	59.4
GE 14000	51.5	52.5	55.0	56.1	57.6	58.2	58.8	59.0	59.3	59.3	59.3	59.3	59.5	59.5	59.5	59.6
GE 12000	52.2	53.2	55.7	56.9	58.3	59.0	59.5	59.8	60.0	60.0	60.0	60.0	60.2	60.3	60.3	60.3
GE 10000	54.9	56.0	58.5	59.6	61.1	61.9	62.4	62.7	62.9	62.9	62.9	62.9	63.1	63.2	63.2	63.2
GE 9000	55.2	56.2	58.7	59.9	61.4	62.1	62.7	62.9	63.2	63.2	63.2	63.2	63.3	63.4	63.4	63.5
GE 8000	57.8	58.8	61.4	62.7	64.2	65.0	65.7	65.9	66.2	66.2	66.2	66.2	66.3	66.4	66.4	66.5
GE 7000	59.3	60.6	63.3	64.8	66.4	67.3	68.0	68.3	68.5	68.5	68.5	68.5	68.7	68.7	68.7	68.8
GE 6000	60.4	61.7	64.5	65.9	67.5	68.4	69.1	69.4	69.6	69.6	69.6	69.6	69.8	69.9	69.9	70.0
GE 5000	62.4	63.8	66.8	68.3	70.4	71.5	72.2	72.5	72.7	72.7	72.7	72.7	72.9	72.9	72.9	73.0
GE 4500	63.8	65.2	68.2	69.7	71.8	72.9	73.7	74.0	74.2	74.2	74.2	74.2	74.4	74.5	74.5	74.6
GE 4000	66.1	67.4	70.4	72.2	74.5	75.7	76.5	76.7	77.0	77.0	77.0	77.0	77.1	77.2	77.2	77.4
GE 3500	67.5	68.9	72.0	73.7	76.2	77.5	78.3	78.5	78.8	78.8	78.8	78.8	78.9	79.0	79.0	79.2
GE 3000	69.6	71.0	74.2	76.1	78.5	79.9	80.8	81.0	81.3	81.3	81.3	81.3	81.4	81.5	81.5	81.7
GE 2500	70.8	72.1	75.4	77.2	79.8	81.2	82.1	82.3	82.6	82.6	82.6	82.6	82.7	82.8	82.8	83.0
GE 2000	72.4	73.8	77.4	79.3	81.9	83.5	84.4	84.7	85.0	85.0	85.0	85.0	85.1	85.2	85.2	85.4
GE 1800	73.0	74.6	78.2	80.1	82.7	84.3	85.2	85.5	85.8	85.8	85.8	85.8	85.9	86.0	86.0	86.2
GE 1500	74.5	76.0	80.0	82.0	85.0	86.6	87.6	88.0	88.2	88.2	88.2	88.2	88.4	88.4	88.4	88.6
GE 1200	76.0	76.1	82.3	84.7	88.1	90.0	91.3	91.7	91.9	91.9	91.9	91.9	92.1	92.2	92.2	92.3
GE 1000	76.3	78.5	83.0	85.5	89.0	91.0	92.5	93.0	93.3	93.3	93.3	93.3	93.5	93.5	93.5	93.7
GE 900	76.7	78.9	83.5	86.2	90.0	92.2	93.6	94.2	94.5	94.5	94.5	94.5	94.7	94.7	94.7	94.9
GE 800	76.8	79.0	83.7	86.4	90.3	92.8	94.3	94.9	95.2	95.2	95.2	95.2	95.4	95.5	95.5	95.6
GE 700	76.8	79.0	83.8	86.8	90.7	93.4	95.2	95.8	96.1	96.1	96.1	96.1	96.3	96.4	96.4	96.5
GE 600	76.8	79.0	83.8	86.8	90.8	93.5	95.6	96.2	96.5	96.5	96.5	96.5	96.7	96.8	96.8	96.9
GE 500	76.8	79.0	83.8	86.8	90.9	93.7	96.0	96.9	97.3	97.3	97.3	97.3	97.4	97.5	97.5	97.7
GE 400	76.8	79.0	83.8	86.8	90.9	93.8	96.2	97.7	98.0	98.0	98.0	98.0	98.1	98.2	98.2	98.4
GE 300	76.8	79.0	83.8	86.9	91.0	93.9	96.6	98.3	98.6	98.6	98.6	98.6	98.9	98.9	99.4	99.6
GE 200	76.8	79.0	83.8	86.9	91.0	93.9	96.6	98.3	98.6	98.7	98.7	98.7	98.9	99.0	99.5	99.8
GE 100	76.8	79.0	83.8	86.9	91.0	93.9	96.6	98.3	98.6	98.7	98.7	98.7	98.9	99.0	99.7	99.9
GE 000	76.8	79.0	83.8	86.9	91.0	93.9	96.6	98.3	98.6	98.7	98.7	98.7	98.9	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1238

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.2	45.0	46.2	47.0	47.9	48.3	48.8	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.7	49.8
GE 20000	49.1	50.0	51.4	52.5	53.5	53.9	54.4	54.8	54.9	55.1	55.2	55.2	55.4	55.4	55.5	55.6
GE 18000	49.1	50.1	51.5	52.5	53.5	54.0	54.5	54.8	54.9	55.1	55.3	55.3	55.4	55.4	55.5	55.7
GE 16000	49.1	50.1	51.5	52.5	53.6	54.0	54.5	54.8	54.9	55.1	55.3	55.3	55.4	55.4	55.5	55.7
GE 14000	49.4	50.4	51.8	52.9	53.9	54.4	54.8	55.2	55.3	55.5	55.7	55.7	55.8	55.8	55.9	56.1
GE 12000	50.5	51.5	53.0	54.1	55.1	55.6	56.1	56.5	56.6	56.8	57.0	57.0	57.1	57.2	57.2	57.4
GE 10000	52.8	53.9	55.5	56.6	57.8	58.3	58.9	59.3	59.4	59.6	59.8	59.8	59.9	59.9	60.0	60.3
GE 9000	53.7	54.8	56.5	57.6	58.9	59.4	59.9	60.4	60.4	60.7	60.8	60.9	61.0	61.0	61.1	61.3
GE 8000	56.5	57.8	59.6	60.8	62.1	62.7	63.3	63.7	63.8	64.1	64.2	64.3	64.4	64.4	64.5	64.7
GE 7000	57.8	59.2	61.0	62.3	63.6	64.2	64.8	65.3	65.4	65.6	65.8	65.8	66.0	66.0	66.1	66.3
GE 6000	58.9	60.3	62.1	63.4	64.8	65.3	66.0	66.5	66.6	66.8	67.0	67.0	67.1	67.2	67.3	67.5
GE 5000	61.0	62.4	64.3	65.7	67.2	67.8	68.4	69.0	69.1	69.3	69.5	69.5	69.6	69.6	69.7	70.0
GE 4500	62.2	63.7	65.7	67.1	68.6	69.2	69.8	70.4	70.5	70.7	70.9	70.9	71.0	71.1	71.2	71.4
GE 4000	64.3	65.8	67.9	69.5	71.1	71.7	72.4	72.9	73.0	73.3	73.4	73.5	73.6	73.6	73.7	74.0
GE 3500	66.1	67.8	70.0	71.6	73.2	73.9	74.6	75.1	75.3	75.5	75.7	75.7	75.8	75.9	76.0	76.2
GE 3000	68.3	70.0	72.4	74.0	75.8	76.5	77.2	77.8	77.9	78.2	78.4	78.4	78.5	78.5	78.7	78.9
GE 2500	69.9	71.7	74.3	76.1	78.0	78.7	79.4	80.0	80.2	80.4	80.6	80.6	80.7	80.8	80.9	81.1
GE 2000	71.9	73.9	76.5	78.4	80.5	81.3	82.1	82.8	82.9	83.1	83.3	83.3	83.5	83.5	83.6	83.8
GE 1800	72.4	74.5	77.2	79.1	81.2	82.2	82.9	83.6	83.7	84.0	84.2	84.2	84.3	84.3	84.5	84.7
GE 1500	73.9	76.1	79.0	81.2	83.5	84.5	85.3	86.0	86.1	86.4	86.6	86.6	86.7	86.7	86.9	87.1
GE 1200	75.5	78.0	81.1	83.6	86.3	87.4	88.4	89.1	89.2	89.5	89.7	89.7	89.8	89.9	90.0	90.2
GE 1000	76.2	78.8	82.2	84.9	87.8	89.0	90.1	90.8	91.0	91.2	91.4	91.4	91.6	91.6	91.7	91.9
GE 900	76.5	79.1	82.6	85.5	88.5	89.7	90.8	91.7	91.8	92.1	92.3	92.3	92.4	92.5	92.6	92.8
GE 800	76.6	79.3	83.0	86.0	89.1	90.5	91.7	92.6	92.8	93.0	93.2	93.3	93.4	93.4	93.5	93.8
GE 700	76.7	79.5	83.2	86.2	89.7	91.2	92.5	93.6	93.7	94.0	94.2	94.3	94.4	94.4	94.5	94.8
GE 600	76.8	79.5	83.3	86.4	89.9	91.6	93.0	94.2	94.4	94.7	94.9	95.0	95.1	95.1	95.2	95.5
GE 500	76.8	79.5	83.3	86.5	90.2	91.9	93.5	94.8	95.0	95.4	95.6	95.7	95.8	95.9	96.0	96.2
GE 400	76.8	79.5	83.3	86.6	90.4	92.2	93.9	95.5	95.9	96.3	96.6	96.7	96.9	96.9	97.0	97.3
GE 300	76.8	79.6	83.3	86.6	90.4	92.3	94.2	96.0	96.4	96.8	97.3	97.3	97.6	97.6	97.9	98.2
GE 200	76.8	79.6	83.3	86.6	90.4	92.3	94.3	96.1	96.6	97.1	97.5	97.7	97.9	98.1	98.4	98.9
GE 100	76.8	79.6	83.3	86.6	90.4	92.3	94.3	96.1	96.6	97.1	97.6	97.7	98.0	98.2	98.7	99.5
GE 000	76.8	79.6	83.3	86.6	90.4	92.3	94.3	96.1	96.6	97.1	97.6	97.7	98.0	98.2	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 11610



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: OCT HOURS: 00:02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 1/8
NO CEIL	53.9	54.8	55.8	56.5	57.5	57.9	58.2	59.0	59.3	59.4	60.1	60.1	60.5	60.5	61.1	61.3
GE 20000	57.5	58.4	59.3	60.1	61.0	61.4	61.8	62.5	62.8	63.0	63.6	63.6	64.1	64.1	65.0	65.1
GE 18000	57.5	58.4	59.3	60.1	61.0	61.4	61.8	62.5	62.8	63.0	63.6	63.6	64.1	64.1	65.0	65.1
GE 16000	57.5	58.4	59.3	60.1	61.0	61.4	61.8	62.5	62.8	63.0	63.6	63.6	64.1	64.1	65.0	65.1
GE 14000	57.6	58.5	59.4	60.2	61.1	61.6	61.9	62.7	63.0	63.1	63.7	63.7	64.2	64.2	65.1	65.3
GE 12000	57.8	58.7	59.6	60.4	61.3	61.8	62.1	62.8	63.1	63.3	63.9	63.9	64.4	64.4	65.3	65.4
GE 10000	59.3	60.2	61.1	61.9	63.0	63.4	63.9	64.7	65.0	65.1	65.7	65.7	66.2	66.2	67.1	67.3
GE 9000	59.4	60.4	61.3	62.1	63.1	63.6	64.1	64.8	65.1	65.3	65.9	65.9	66.4	66.4	67.3	67.4
GE 8000	61.0	61.9	62.8	63.6	64.7	65.1	65.6	66.5	66.8	67.0	67.6	67.6	68.2	68.2	69.1	69.3
GE 7000	64.4	65.4	66.4	67.1	68.2	68.7	69.1	70.0	70.4	70.5	71.1	71.1	71.7	71.7	72.7	72.8
GE 6000	65.7	66.8	67.7	68.5	69.6	70.0	70.5	71.4	71.7	71.9	72.5	72.5	73.1	73.1	74.1	74.2
GE 5000	66.5	67.6	68.5	69.3	70.4	70.8	71.3	72.2	72.5	72.7	73.3	73.3	73.9	73.9	74.8	75.0
GE 4500	67.1	68.2	69.1	70.0	71.1	71.6	72.0	73.0	73.3	73.4	74.0	74.0	74.7	74.7	75.6	75.7
GE 4000	69.7	70.8	71.7	72.6	74.0	74.5	75.0	75.9	76.2	76.3	77.0	77.0	77.7	77.7	78.6	78.8
GE 3500	70.7	71.7	72.8	73.9	75.1	75.6	76.0	77.0	77.3	77.4	78.0	78.0	78.8	78.8	79.7	79.9
GE 3000	72.5	73.6	74.8	75.9	77.3	77.7	78.2	79.1	79.4	79.6	80.2	80.2	81.0	81.0	81.9	82.0
GE 2500	74.3	75.4	77.1	78.2	79.6	80.0	80.5	81.4	81.7	81.9	82.5	82.5	83.3	83.3	84.2	84.3
GE 2000	76.0	77.1	78.8	79.9	81.3	81.7	82.2	83.3	83.7	83.9	84.5	84.5	85.3	85.3	86.2	86.3
GE 1800	76.7	77.7	79.4	80.5	81.9	82.3	82.8	83.9	84.3	84.5	85.1	85.1	85.9	85.9	86.8	86.9
GE 1500	77.6	78.6	80.3	81.7	83.1	83.6	84.0	85.3	85.7	85.9	86.5	86.5	87.3	87.3	88.2	88.3
GE 1200	78.8	79.9	81.9	83.6	85.3	85.7	86.2	87.4	87.9	88.0	88.6	88.6	89.4	89.4	90.3	90.5
GE 1000	79.4	80.6	82.8	84.6	86.5	87.3	87.7	88.9	89.4	89.6	90.2	90.2	91.1	91.1	92.0	92.2
GE 900	79.6	80.9	83.1	84.8	86.8	87.6	88.0	89.2	89.7	89.9	90.5	90.5	91.4	91.4	92.3	92.5
GE 800	79.9	81.3	83.7	86.1	88.5	89.5	90.0	91.6	92.0	92.2	92.8	92.8	93.7	93.7	94.6	94.8
GE 700	79.9	81.3	83.7	86.2	88.9	90.0	90.5	92.2	92.4	93.1	93.7	93.7	94.6	94.6	95.5	95.7
GE 600	79.9	81.3	83.7	86.2	89.1	90.3	90.8	92.5	93.2	93.4	94.0	94.0	94.9	94.9	95.9	96.0
GE 500	79.9	81.3	83.7	86.2	89.6	90.8	91.2	92.9	93.7	94.2	94.9	94.9	95.9	95.9	96.9	97.0
GE 400	79.9	81.4	83.9	86.3	89.7	90.9	91.4	93.2	94.0	94.5	95.2	95.2	96.2	96.2	97.1	97.2
GE 300	79.9	81.4	83.9	86.3	89.7	90.9	91.4	93.9	94.6	95.1	95.9	95.9	96.9	96.9	97.8	97.9
GE 200	79.9	81.4	83.9	86.3	89.7	90.9	91.4	93.9	94.6	95.1	95.9	95.9	97.1	97.1	98.1	98.2
GE 100	79.9	81.4	83.9	86.3	89.7	90.9	91.4	93.9	94.6	95.1	95.9	95.9	97.1	97.1	98.1	98.2
GE 50	79.9	81.4	83.9	86.3	89.7	90.9	91.4	93.9	94.6	95.1	95.9	95.9	97.1	97.1	98.1	98.2

TOTAL NUMBER OF OBSERVATIONS 651

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: OCT HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CELL	48.8	49.8	51.0	51.3	51.9	52.2	52.7	53.6	53.6	54.1	54.1	54.2	54.5	54.5	55.0	55.9
GE 20000	51.9	52.8	54.1	54.4	55.0	55.3	55.8	56.7	56.7	57.1	57.1	57.3	57.6	57.6	58.1	59.0
GE 18000	51.9	52.8	54.1	54.4	55.0	55.3	55.8	56.7	56.7	57.1	57.1	57.3	57.6	57.6	58.1	59.0
GE 16000	51.9	52.8	54.1	54.4	55.0	55.3	55.8	56.7	56.7	57.1	57.1	57.3	57.6	57.6	58.1	59.0
GE 14000	52.1	53.0	54.2	54.5	55.1	55.5	55.9	56.8	56.8	57.3	57.3	57.5	57.8	57.8	58.2	59.1
GE 12000	52.4	53.3	54.5	54.8	55.5	55.8	56.2	57.1	57.1	57.6	57.6	57.8	58.1	58.1	58.5	59.4
GE 10000	53.5	54.4	55.6	55.9	56.5	56.8	57.8	58.7	58.7	59.1	59.1	59.3	59.6	59.6	60.1	61.0
GE 9000	53.5	54.4	55.6	55.9	56.5	56.8	57.8	58.7	58.7	59.1	59.1	59.3	59.6	59.6	60.1	61.0
GE 8000	55.9	56.8	58.4	58.7	59.3	59.6	60.5	61.4	61.4	61.9	61.9	62.1	62.4	62.4	62.8	63.7
GE 7000	58.2	59.1	60.7	61.0	61.8	62.1	63.0	63.9	63.9	64.4	64.4	64.5	64.8	64.8	65.3	66.2
GE 6000	59.6	60.5	62.1	62.4	63.3	63.6	64.7	65.6	65.6	66.1	66.1	66.2	66.5	66.5	67.0	67.9
GE 5000	60.5	61.4	63.0	63.3	64.2	64.5	65.6	66.5	66.5	67.0	67.0	67.1	67.4	67.4	67.9	68.8
GE 4500	61.1	62.1	63.9	64.4	65.3	65.6	66.7	67.6	67.6	68.0	68.0	68.2	68.5	68.5	69.0	69.9
GE 4000	61.9	63.0	64.8	65.3	66.2	66.5	67.7	68.7	68.7	69.1	69.1	69.3	69.6	69.6	70.0	71.0
GE 3500	63.4	64.5	66.5	67.0	67.9	68.2	69.4	70.4	70.4	70.8	70.8	71.0	71.3	71.3	71.7	72.7
GE 3000	65.0	66.2	68.2	68.7	69.7	70.0	71.3	72.2	72.2	72.8	72.8	73.0	73.4	73.4	73.9	74.8
GE 2500	67.7	69.0	71.0	71.6	72.7	73.0	74.2	75.1	75.1	75.7	75.7	75.9	76.3	76.3	76.8	77.7
GE 2000	69.1	70.5	72.8	73.4	74.7	75.0	76.2	77.3	77.3	77.9	77.9	78.0	78.5	78.5	79.0	79.9
GE 1800	69.4	70.8	73.1	73.9	75.1	75.4	76.7	77.7	77.7	78.3	78.3	78.5	79.0	79.0	79.4	80.3
GE 1500	71.0	72.5	74.8	75.6	76.8	77.1	78.3	79.4	79.4	80.0	80.0	80.2	80.6	80.6	81.1	82.0
GE 1200	73.0	74.5	77.1	78.5	80.0	80.3	82.2	83.3	83.3	83.9	83.9	84.0	84.5	84.5	84.9	85.9
GE 1000	75.9	75.6	78.3	80.0	81.6	82.0	84.0	85.1	85.1	85.7	85.7	85.9	86.3	86.3	86.9	87.9
GE 900	73.9	75.6	78.3	80.0	81.6	82.0	84.0	85.1	85.1	85.7	85.7	85.9	86.3	86.3	86.9	87.9
GE 800	74.2	75.9	78.8	80.5	82.3	83.4	85.9	86.9	87.1	87.7	87.7	87.9	88.3	88.3	88.9	90.0
GE 700	74.2	75.9	78.8	80.5	82.3	83.4	86.3	87.4	88.0	88.6	88.6	88.8	89.2	89.2	89.9	91.1
GE 600	74.2	75.9	79.0	80.6	82.5	83.6	86.5	87.6	88.2	88.8	89.1	89.2	89.7	89.7	90.3	91.6
GE 500	74.2	76.0	79.1	80.8	83.1	84.5	87.6	88.8	89.4	90.0	90.3	90.5	90.9	90.9	91.6	92.8
GE 400	74.2	76.0	79.1	80.8	83.1	84.5	87.7	89.1	89.9	90.6	90.9	91.1	91.6	91.6	92.2	93.4
GE 300	74.2	76.0	79.1	80.8	83.1	84.5	88.0	89.6	90.3	91.1	91.4	91.6	92.5	92.5	93.1	94.3
GE 200	74.2	76.0	79.3	81.0	83.3	84.6	88.2	89.9	90.8	91.6	91.9	92.0	93.1	93.1	94.0	96.3
GE 100	74.2	76.0	79.3	81.0	83.3	84.6	88.2	90.0	90.9	91.7	92.3	92.5	93.7	93.7	94.6	97.5
GE 000	74.2	76.0	79.3	81.0	83.3	84.6	88.2	90.0	90.9	91.7	92.3	92.5	93.7	93.7	94.6	100.0

TOTAL NUMBER OF OBSERVATIONS 651

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.7	41.3	41.9	42.5	43.3	43.5	43.9	44.3	44.5	44.6	44.7	44.7	44.8	44.9	45.2	46.0
GE 20000	44.5	45.3	46.1	46.9	47.7	48.1	48.5	48.8	49.1	49.2	49.4	49.4	49.5	49.6	50.0	50.8
GE 18000	44.6	45.4	46.2	47.0	47.8	48.2	48.6	49.0	49.2	49.3	49.5	49.5	49.6	49.7	50.1	50.9
GE 16000	44.6	45.4	46.2	47.0	47.8	48.2	48.6	49.0	49.2	49.3	49.5	49.5	49.6	49.7	50.1	50.9
GE 14000	45.1	46.0	46.7	47.5	48.4	48.7	49.1	49.5	49.8	49.9	50.1	50.1	50.2	50.3	50.7	51.5
GE 12000	46.5	47.3	48.2	49.0	49.9	50.2	50.6	51.0	51.3	51.4	51.5	51.5	51.7	51.8	52.2	53.0
GE 10000	48.7	49.5	50.4	51.3	52.4	52.8	53.3	53.7	54.0	54.1	54.3	54.3	54.4	54.5	54.9	55.8
GE 9000	49.5	50.3	51.3	52.3	53.3	53.8	54.3	54.7	55.0	55.1	55.2	55.2	55.4	55.5	55.9	56.8
GE 8000	51.3	52.3	53.4	54.6	55.7	56.4	56.9	57.4	57.7	57.8	58.0	58.0	58.1	58.2	58.7	59.6
GE 7000	53.0	54.0	55.2	56.5	57.6	58.4	59.0	59.5	59.8	59.9	60.1	60.1	60.2	60.3	60.8	61.7
GE 6000	53.8	54.8	56.0	57.3	58.5	59.2	59.8	60.3	60.6	60.8	60.9	60.9	61.0	61.2	61.6	62.5
GE 5000	55.6	56.7	58.2	59.5	60.7	61.5	62.1	62.7	62.9	63.1	63.3	63.3	63.4	63.5	63.9	64.9
GE 4500	57.2	58.3	59.8	61.2	62.4	63.1	63.8	64.3	64.6	64.8	64.9	64.9	65.0	65.1	65.6	66.5
GE 4000	59.1	60.3	61.8	63.3	64.6	65.4	66.1	66.6	66.9	67.1	67.2	67.2	67.3	67.5	67.9	69.0
GE 3500	60.8	62.2	63.8	65.2	66.6	67.6	68.2	68.8	69.1	69.2	69.4	69.4	69.5	69.6	70.1	71.1
GE 3000	63.0	64.5	66.1	67.6	69.1	70.1	70.8	71.4	71.7	71.9	72.0	72.0	72.2	72.3	72.7	73.8
GE 2500	65.7	67.2	69.0	70.6	72.0	73.1	74.1	74.6	75.0	75.1	75.3	75.3	75.4	75.5	76.0	77.0
GE 2000	67.1	68.7	70.6	72.2	73.8	75.0	76.1	76.7	77.0	77.2	77.3	77.3	77.5	77.6	78.0	79.1
GE 1800	67.8	69.5	71.4	73.0	74.6	75.8	77.0	77.6	77.9	78.1	78.3	78.3	78.4	78.5	79.0	80.0
GE 1500	68.4	70.4	72.6	74.3	76.0	77.3	78.6	79.3	79.6	79.8	80.0	80.0	80.1	80.2	80.7	81.7
GE 1200	69.3	71.3	73.8	75.9	77.7	79.2	80.6	81.2	81.5	81.8	82.0	82.0	82.1	82.2	82.7	83.7
GE 1000	69.9	71.9	74.5	76.8	78.9	80.6	82.1	82.8	83.1	83.4	83.6	83.6	83.7	83.8	84.3	85.3
GE 900	70.1	72.1	74.9	77.1	79.3	81.2	82.7	83.4	83.9	84.2	84.4	84.4	84.5	84.6	85.0	86.1
GE 800	70.3	72.4	75.2	77.6	80.2	82.2	83.9	84.6	85.1	85.5	85.7	85.7	85.8	85.9	86.4	87.5
GE 700	70.3	72.4	75.4	77.8	80.6	82.7	84.5	85.4	85.9	86.2	86.5	86.5	86.6	86.7	87.2	88.3
GE 600	70.3	72.4	75.6	78.3	81.3	83.4	85.4	86.6	87.2	87.6	87.8	87.8	88.0	88.1	88.6	89.8
GE 500	70.4	72.5	75.7	78.6	81.6	83.8	86.0	87.2	87.8	88.2	88.5	88.6	88.7	89.0	89.5	90.7
GE 400	70.4	72.5	75.8	78.7	81.8	84.4	86.9	88.3	89.1	89.7	90.0	90.1	90.3	90.6	91.1	92.4
GE 300	70.4	72.5	75.8	78.7	81.9	84.5	87.2	89.2	90.2	90.8	91.2	91.3	91.7	92.3	92.9	94.6
GE 200	70.4	72.5	75.8	78.7	81.9	84.5	87.2	89.4	90.6	91.4	91.8	91.9	92.5	93.1	93.8	96.2
GE 100	70.4	72.5	75.8	78.7	81.9	84.5	87.3	89.5	90.7	91.5	92.0	92.2	92.8	93.7	94.6	98.2
GE 000	70.4	72.5	75.8	78.7	81.9	84.5	87.3	89.5	90.7	91.5	92.0	92.2	92.9	93.8	94.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1810

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.6	46.1	47.3	48.1	48.4	48.5	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 20000	50.3	50.9	52.2	53.3	53.7	53.9	54.1	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4
GE 18000	50.3	50.9	52.2	53.3	53.7	53.9	54.1	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4
GE 16000	50.3	50.9	52.3	53.3	53.7	53.9	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 14000	50.6	51.2	52.6	53.7	54.0	54.2	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8
GE 12000	52.0	52.6	54.0	55.1	55.5	55.7	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.2
GE 10000	54.2	54.9	56.4	57.6	58.0	58.2	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.8
GE 9000	55.2	55.9	57.4	58.5	58.9	59.1	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.7
GE 8000	57.6	58.5	60.1	61.3	61.7	61.9	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.5
GE 7000	59.0	59.9	61.5	62.7	63.2	63.4	63.6	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.1
GE 6000	60.2	61.0	62.6	64.0	64.5	64.7	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.4
GE 5000	61.6	62.4	64.0	65.4	65.9	66.1	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.8
GE 4500	62.7	63.6	65.2	66.6	67.0	67.3	67.5	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.9
GE 4000	65.0	65.9	67.5	68.9	69.3	69.5	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2
GE 3500	68.8	69.9	71.5	73.0	73.5	73.7	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4
GE 3000	71.7	72.7	74.6	76.1	76.7	76.9	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.6
GE 2500	74.0	75.2	77.1	78.7	79.5	79.8	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5
GE 2000	76.5	77.7	79.7	81.3	82.3	82.6	82.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3
GE 1800	77.0	78.3	80.2	81.9	82.9	83.3	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0
GE 1500	78.4	80.1	82.3	84.1	85.4	85.9	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7
GE 1200	79.6	81.7	84.1	86.2	87.6	88.2	88.5	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1
GE 1000	80.0	82.2	84.6	87.0	88.5	89.2	89.6	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2
GE 900	80.1	82.2	84.8	87.3	88.8	89.7	90.2	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.8
GE 800	80.2	82.5	85.3	87.8	89.7	90.8	91.2	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.9
GE 700	80.2	82.5	85.4	88.2	90.3	91.7	92.3	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.2
GE 600	80.3	82.7	85.8	88.8	91.1	92.7	93.6	94.3	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.8
GE 500	80.3	82.7	85.8	89.0	91.7	93.4	94.5	95.3	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.7
GE 400	80.3	82.7	85.9	89.0	92.1	94.5	95.6	96.6	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.3
GE 300	80.3	82.7	85.9	89.0	92.2	94.6	96.1	97.4	97.6	97.8	98.1	98.1	98.1	98.1	98.1	98.2
GE 200	80.3	82.7	85.9	89.0	92.2	94.6	96.1	97.5	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.5
GE 100	80.3	82.7	85.9	89.0	92.2	94.6	96.1	97.5	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.5
GE 000	80.3	82.7	85.9	89.0	92.2	94.6	96.1	97.5	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.5

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.8	48.4	48.8	49.0	49.1	49.1	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 20000	52.1	52.8	53.5	53.8	53.9	53.9	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 18000	52.1	52.8	53.5	53.8	53.9	53.9	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 16000	52.1	52.8	53.5	53.8	53.9	53.9	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 14000	52.8	53.5	54.2	54.5	54.6	54.6	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 12000	54.1	54.9	55.6	55.9	56.0	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 10000	56.6	57.4	58.1	58.4	58.5	58.5	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 9000	57.2	58.1	58.8	59.1	59.2	59.2	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 8000	60.3	61.2	61.9	62.4	62.5	62.5	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 7000	62.0	63.0	63.8	64.2	64.3	64.3	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 6000	63.6	64.6	65.5	66.0	66.1	66.1	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 5000	65.5	66.6	67.5	68.0	68.1	68.1	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 4500	67.4	68.5	69.5	69.9	70.1	70.1	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 4000	72.5	73.5	74.6	75.2	75.3	75.4	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 3500	77.3	78.4	79.5	80.1	80.3	80.3	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 3000	80.8	81.9	83.0	83.6	83.9	84.0	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 2500	82.7	83.9	85.0	85.7	86.0	86.1	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 2000	84.2	85.6	86.9	87.7	88.1	88.3	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 1800	84.8	86.3	87.7	88.5	88.9	89.1	89.4	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 1500	85.8	87.3	88.8	89.7	90.2	90.4	90.8	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 1200	87.0	88.5	90.6	91.7	92.4	92.7	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1000	87.5	89.1	91.3	92.5	93.4	93.8	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 900	87.5	89.2	91.7	93.0	94.0	94.4	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 800	87.7	89.4	92.0	93.4	94.6	95.1	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 700	87.8	89.6	92.3	93.7	94.8	95.5	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 600	87.8	89.6	92.4	93.9	95.2	96.1	96.8	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 500	87.9	89.7	92.5	94.1	95.5	96.5	97.6	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 400	87.9	89.7	92.6	94.2	95.9	97.0	98.1	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	87.9	89.7	92.6	94.2	96.0	97.1	98.3	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	87.9	89.7	92.6	94.2	96.0	97.1	98.3	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	87.9	89.7	92.6	94.2	96.0	97.1	98.3	99.2	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	87.9	89.7	92.6	94.2	96.0	97.1	98.3	99.2	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.4	50.4	50.6	50.8	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 20000	54.8	55.1	55.2	55.4	55.4	55.5	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 18000	54.8	55.1	55.2	55.4	55.4	55.5	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 16000	54.8	55.1	55.2	55.4	55.4	55.5	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 14000	55.4	55.6	55.8	56.0	56.0	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 12000	57.3	57.5	57.7	57.8	57.9	58.0	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 10000	59.6	59.9	60.1	60.3	60.4	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 9000	60.9	61.2	61.5	61.7	61.8	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 8000	63.9	64.2	64.5	64.7	64.9	65.0	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 7000	66.2	66.7	66.9	67.4	67.5	67.6	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 6000	68.2	68.7	68.9	69.4	69.6	69.7	69.8	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 5000	71.3	71.8	72.0	72.6	72.8	73.0	73.1	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.5
GE 4500	73.8	74.2	74.6	75.2	75.4	75.6	75.7	75.9	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1
GE 4000	77.8	78.3	78.6	79.2	79.5	79.6	79.7	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2
GE 3500	81.2	81.7	82.0	82.7	83.0	83.1	83.2	83.4	83.5	83.5	83.5	83.5	83.6	83.6	83.7	83.7
GE 3000	83.9	84.5	84.8	85.6	85.8	86.0	86.2	86.4	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6
GE 2500	85.5	86.1	86.6	87.4	87.6	87.9	88.1	88.3	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.5
GE 2000	87.0	87.9	88.4	89.3	89.8	90.2	90.5	90.8	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0
GE 1800	87.3	88.1	88.7	89.6	90.1	90.5	90.8	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.3
GE 1500	88.0	88.9	89.5	90.5	91.3	91.7	92.1	92.4	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6
GE 1200	88.9	89.9	90.6	91.9	92.9	93.3	93.7	94.0	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2
GE 1000	89.1	90.1	90.9	92.5	93.6	94.0	94.5	94.7	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0
GE 900	89.3	90.3	91.1	93.1	94.2	94.6	95.1	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.6
GE 800	89.4	90.4	91.3	93.3	94.8	95.3	95.7	96.0	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3
GE 700	89.5	90.4	91.4	93.5	95.3	95.9	96.3	96.7	96.8	96.9	96.9	96.9	96.9	97.0	97.0	97.0
GE 600	89.5	90.4	91.4	93.7	95.5	96.2	96.7	97.1	97.3	97.3	97.3	97.3	97.4	97.4	97.5	97.5
GE 500	89.5	90.4	91.5	93.8	95.6	96.6	97.2	97.7	97.8	98.0	98.0	98.0	98.1	98.1	98.2	98.2
GE 400	89.5	90.5	91.5	93.8	95.8	97.0	97.8	98.5	98.8	98.9	98.9	98.9	99.0	99.1	99.1	99.1
GE 300	89.5	90.5	91.5	93.8	95.8	97.0	97.9	98.7	99.0	99.1	99.2	99.3	99.5	99.5	99.6	99.6
GE 200	89.5	90.5	91.5	93.8	95.8	97.0	97.9	98.8	99.1	99.2	99.5	99.6	99.8	99.8	99.9	99.9
GE 100	89.5	90.5	91.5	93.8	95.8	97.0	97.9	98.8	99.1	99.2	99.5	99.6	99.9	99.9	100.0	100.0
GE 000	89.5	90.5	91.5	93.8	95.8	97.0	97.9	98.8	99.1	99.2	99.5	99.6	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

D - 2 - 87

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: OCT HOURS: 18-20

CEILING IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.2	53.9	54.6	54.7	54.8	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 20000	57.1	57.9	58.7	59.0	59.0	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 18000	57.1	57.9	58.7	59.0	59.0	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 16000	57.1	57.9	58.7	59.0	59.0	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 14000	57.4	58.2	59.0	59.3	59.4	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 12000	58.8	59.7	60.6	60.9	60.9	61.0	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3
GE 10000	60.9	61.8	62.7	63.0	63.1	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 9000	61.9	62.8	63.8	64.1	64.2	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 8000	64.8	65.8	66.8	67.2	67.3	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 7000	66.2	67.2	68.3	68.6	68.7	68.8	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3
GE 6000	68.4	69.4	70.6	71.0	71.1	71.2	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 5000	71.7	72.7	73.9	74.4	74.5	74.6	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 4500	74.0	75.0	76.2	76.7	76.8	77.0	77.5	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7
GE 4000	76.1	77.2	78.6	79.0	79.1	79.4	79.9	79.9	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1
GE 3500	78.4	79.5	81.0	81.6	81.7	82.0	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 3000	80.5	81.7	83.4	84.1	84.4	84.7	85.2	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 2500	82.3	83.8	85.7	86.6	86.8	87.2	87.6	87.7	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9
GE 2000	84.1	85.6	87.6	88.7	89.1	89.5	90.0	90.2	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4
GE 1800	84.4	86.0	88.2	89.4	89.8	90.3	90.8	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 1500	85.4	87.2	89.6	91.0	91.6	92.2	92.7	92.8	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1
GE 1200	86.2	88.1	90.6	92.3	93.0	93.5	94.1	94.5	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7
GE 1000	86.4	88.3	90.9	92.5	93.6	94.2	94.9	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6
GE 900	86.5	88.4	91.1	92.8	94.0	94.7	95.4	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 800	86.6	88.4	91.1	93.1	94.4	95.1	95.8	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 700	86.6	88.5	91.2	93.3	94.9	95.7	96.5	97.1	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4
GE 600	86.6	88.5	91.2	93.3	95.2	96.1	96.9	97.5	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8
GE 500	86.6	88.5	91.3	93.4	95.3	96.3	97.4	98.1	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 400	86.6	88.5	91.3	93.5	95.4	96.6	97.7	98.4	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	86.6	88.5	91.3	93.5	95.4	96.6	97.8	98.8	98.8	99.1	99.3	99.4	99.5	99.5	99.5	99.5
GE 200	86.6	88.5	91.3	93.5	95.4	96.6	97.9	98.9	98.9	99.2	99.4	99.5	99.6	99.6	99.7	99.7
GE 100	86.6	88.5	91.3	93.5	95.4	96.6	97.9	98.9	98.9	99.2	99.4	99.5	99.6	99.6	99.7	99.8
GE 000	86.6	88.5	91.3	93.5	95.4	96.6	97.9	98.9	98.9	99.2	99.4	99.5	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.5	54.5	55.2	55.5	56.3	56.4	56.8	56.9	57.1	57.2	57.2	57.2	57.2	57.2	57.3	57.4
GE 20000	57.4	58.4	59.2	59.6	60.4	60.5	60.9	61.0	61.2	61.4	61.4	61.4	61.4	61.4	61.5	61.7
GE 18000	57.4	58.4	59.2	59.6	60.4	60.5	60.9	61.0	61.2	61.4	61.4	61.4	61.4	61.4	61.5	61.7
GE 16000	57.4	58.4	59.2	59.6	60.4	60.5	60.9	61.0	61.2	61.4	61.4	61.4	61.4	61.4	61.5	61.7
GE 14000	57.8	58.8	59.6	60.0	60.8	60.9	61.3	61.4	61.6	61.8	61.8	61.8	61.8	61.8	61.9	62.1
GE 12000	58.6	59.6	60.4	60.7	61.6	61.7	62.1	62.1	62.4	62.6	62.6	62.6	62.6	62.6	62.7	62.8
GE 10000	60.6	61.6	62.4	62.8	63.7	63.8	64.2	64.2	64.5	64.7	64.7	64.7	64.7	64.7	64.8	64.9
GE 9000	61.1	62.1	62.8	63.4	64.2	64.3	64.7	64.8	65.0	65.2	65.2	65.2	65.2	65.2	65.3	65.5
GE 8000	63.5	64.5	65.2	65.8	66.6	66.8	67.2	67.3	67.6	67.8	67.8	67.8	67.8	67.8	67.9	68.1
GE 7000	64.9	65.9	66.6	67.2	68.0	68.2	68.6	68.7	69.0	69.3	69.3	69.3	69.3	69.3	69.4	69.6
GE 6000	66.4	67.4	68.4	69.0	69.9	70.1	70.4	70.6	70.8	71.1	71.1	71.1	71.1	71.1	71.2	71.5
GE 5000	69.4	70.4	71.5	72.0	72.9	73.1	73.5	73.6	73.9	74.2	74.3	74.3	74.3	74.3	74.4	74.6
GE 4500	71.6	72.8	73.8	74.3	75.3	75.4	75.8	76.0	76.3	76.6	76.6	76.6	76.6	76.6	76.7	77.0
GE 4000	73.7	74.9	76.0	76.5	77.4	77.7	78.1	78.3	78.6	78.9	79.0	79.0	79.0	79.0	79.1	79.3
GE 3500	75.6	76.9	78.2	78.7	79.8	80.0	80.4	80.6	80.9	81.2	81.3	81.3	81.3	81.3	81.4	81.6
GE 3000	76.7	78.0	79.4	80.1	81.1	81.3	81.8	81.9	82.2	82.5	82.6	82.6	82.6	82.6	82.7	82.9
GE 2500	79.0	80.5	82.2	83.0	84.1	84.3	84.9	85.0	85.3	85.6	85.7	85.7	85.7	85.7	85.8	86.0
GE 2000	80.4	82.0	83.7	84.6	85.8	86.0	86.6	86.7	87.1	87.4	87.5	87.5	87.5	87.5	87.6	87.8
GE 1800	81.2	82.8	84.5	85.4	86.6	86.8	87.4	87.5	87.9	88.2	88.3	88.3	88.3	88.3	88.4	88.6
GE 1500	82.3	83.9	86.0	87.0	88.2	88.4	89.0	89.2	89.6	89.9	90.0	90.0	90.0	90.0	90.1	90.3
GE 1200	83.6	85.3	87.8	89.1	90.7	91.0	91.6	92.0	92.4	92.7	92.9	92.9	92.9	92.9	93.0	93.3
GE 1000	83.9	85.6	88.3	89.6	91.6	92.0	92.6	93.2	93.6	93.9	94.1	94.1	94.1	94.1	94.2	94.4
GE 900	83.9	85.7	88.4	89.7	91.7	92.1	92.7	93.3	93.6	93.9	94.2	94.2	94.2	94.2	94.3	94.5
GE 800	84.0	86.0	88.7	90.1	92.3	92.7	93.3	93.9	94.3	94.6	94.8	94.8	94.8	94.8	94.9	95.1
GE 700	84.0	86.0	88.9	90.4	93.0	93.6	94.4	95.1	95.5	95.8	96.0	96.0	96.0	96.0	96.1	96.4
GE 600	84.0	86.0	88.9	90.5	93.3	93.8	94.7	95.6	96.0	96.3	96.5	96.5	96.5	96.5	96.6	96.8
GE 500	84.1	86.1	89.1	90.7	94.0	94.6	96.0	96.9	97.3	97.7	97.9	97.9	97.9	97.9	98.0	98.2
GE 400	84.1	86.1	89.1	90.8	94.2	94.8	96.2	97.2	97.7	98.1	98.5	98.5	98.5	98.5	98.6	98.8
GE 300	84.1	86.1	89.1	90.9	94.3	95.0	96.7	97.8	98.2	98.7	99.1	99.1	99.2	99.2	99.3	99.5
GE 200	84.1	86.1	89.1	90.9	94.3	95.0	96.7	97.9	98.4	98.8	99.3	99.3	99.4	99.4	99.5	99.8
GE 100	84.1	86.1	89.1	90.9	94.3	95.0	96.7	97.9	98.4	98.8	99.3	99.3	99.5	99.5	99.6	99.9
GE 000	84.1	86.1	89.1	90.9	94.3	95.0	96.7	97.9	98.4	98.8	99.3	99.3	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1289



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.6	49.2	49.9	50.3	50.7	50.8	51.0	51.2	51.3	51.3	51.4	51.4	51.5	51.5	51.6	51.8
GE 20000	52.7	53.4	54.2	54.7	55.1	55.3	55.5	55.8	55.9	55.9	56.0	56.0	56.1	56.1	56.2	56.4
GE 18000	52.7	53.4	54.2	54.7	55.1	55.3	55.5	55.8	55.9	55.9	56.0	56.0	56.1	56.1	56.3	56.5
GE 16000	52.7	53.5	54.3	54.8	55.2	55.3	55.5	55.8	55.9	56.0	56.0	56.0	56.1	56.1	56.3	56.5
GE 14000	53.2	53.9	54.7	55.2	55.6	55.8	56.0	56.2	56.3	56.4	56.5	56.5	56.5	56.6	56.7	56.9
GE 12000	54.4	55.2	56.0	56.5	56.9	57.1	57.3	57.6	57.6	57.7	57.8	57.8	57.9	57.9	58.0	58.2
GE 10000	56.6	57.4	58.2	58.8	59.2	59.4	59.7	59.9	60.0	60.1	60.2	60.2	60.2	60.3	60.4	60.6
GE 9000	57.4	58.1	59.0	59.6	60.1	60.3	60.5	60.8	60.9	61.0	61.0	61.0	61.1	61.1	61.3	61.5
GE 8000	59.9	60.8	61.7	62.4	62.8	63.1	63.4	63.7	63.8	63.9	63.9	64.0	64.0	64.0	64.2	64.4
GE 7000	61.7	62.6	63.6	64.3	64.8	65.0	65.4	65.7	65.8	65.9	65.9	66.0	66.0	66.0	66.2	66.4
GE 6000	63.2	64.1	65.2	65.9	66.5	66.7	67.0	67.4	67.5	67.6	67.6	67.6	67.7	67.7	67.9	68.1
GE 5000	65.5	66.4	67.5	68.3	68.8	69.1	69.4	69.7	69.9	70.0	70.0	70.0	70.1	70.1	70.3	70.5
GE 4500	67.3	68.2	69.3	70.1	70.7	70.9	71.3	71.6	71.8	71.9	71.9	71.9	72.0	72.0	72.2	72.4
GE 4000	70.1	71.0	72.2	73.1	73.6	73.9	74.3	74.7	74.8	74.9	75.0	75.0	75.1	75.1	75.3	75.5
GE 3500	72.9	74.0	75.2	76.1	76.7	77.1	77.5	77.8	77.9	78.0	78.1	78.1	78.2	78.2	78.4	78.6
GE 3000	75.3	76.4	77.8	78.8	79.4	79.8	80.2	80.6	80.7	80.8	80.9	80.9	81.0	81.0	81.2	81.4
GE 2500	77.4	78.7	80.2	81.2	81.9	82.3	82.8	83.2	83.3	83.4	83.5	83.5	83.6	83.6	83.8	84.0
GE 2000	79.1	80.5	82.1	83.2	84.1	84.5	85.0	85.4	85.6	85.7	85.8	85.8	85.9	85.9	86.1	86.3
GE 1800	79.6	81.0	82.7	83.8	84.7	85.2	85.7	86.1	86.3	86.4	86.5	86.5	86.6	86.6	86.8	87.0
GE 1500	80.6	82.2	84.0	85.3	86.3	86.9	87.5	87.9	88.0	88.2	88.2	88.2	88.3	88.4	88.5	88.8
GE 1200	81.7	83.4	85.5	87.1	88.3	88.9	89.6	90.1	90.2	90.4	90.5	90.5	90.6	90.6	90.8	91.0
GE 1000	82.1	83.8	86.0	87.8	89.2	90.0	90.7	91.2	91.4	91.5	91.6	91.6	91.7	91.8	91.9	92.2
GE 900	82.2	83.9	86.3	88.1	89.6	90.4	91.2	91.7	91.9	92.0	92.1	92.1	92.3	92.3	92.4	92.7
GE 800	82.4	84.1	86.6	88.6	90.4	91.3	92.1	92.7	92.9	93.0	93.1	93.2	93.3	93.3	93.5	93.7
GE 700	82.4	84.2	86.7	88.8	90.8	91.9	92.8	93.5	93.7	93.9	94.0	94.0	94.1	94.1	94.3	94.6
GE 600	82.4	84.2	86.8	89.1	91.2	92.4	93.4	94.2	94.5	94.7	94.8	94.8	94.9	95.0	95.2	95.4
GE 500	82.5	84.3	86.9	89.2	91.6	92.9	94.2	95.0	95.3	95.5	95.7	95.7	95.8	95.9	96.1	96.4
GE 400	82.5	84.3	87.0	89.3	91.8	93.3	94.7	95.7	96.1	96.4	96.6	96.6	96.8	96.9	97.1	97.4
GE 300	82.5	84.3	87.0	89.3	91.9	93.4	95.0	96.3	96.7	97.0	97.3	97.3	97.6	97.7	97.9	98.3
GE 200	82.5	84.3	87.0	89.3	91.9	93.4	95.0	96.4	96.9	97.2	97.6	97.6	97.9	98.1	98.4	99.0
GE 100	82.5	84.3	87.0	89.3	91.9	93.4	95.0	96.4	96.9	97.3	97.6	97.7	98.1	98.3	98.6	99.5
GE 000	82.5	84.3	87.0	89.3	91.9	93.4	95.0	96.4	96.9	97.3	97.6	97.7	98.1	98.3	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 11841

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.9	40.4	40.4	40.4	40.7	40.7	40.8	41.1	41.3	41.3	41.3	41.3	41.4	41.4	41.5	42.4
GE 20000	42.6	43.3	43.3	43.3	43.6	43.6	43.8	44.0	44.2	44.2	44.2	44.2	44.3	44.3	44.4	45.3
GE 18000	42.6	43.3	43.3	43.3	43.6	43.6	43.8	44.0	44.2	44.2	44.2	44.2	44.3	44.3	44.4	45.3
GE 16000	42.6	43.3	43.3	43.3	43.6	43.6	43.8	44.0	44.2	44.2	44.2	44.2	44.3	44.3	44.4	45.3
GE 14000	42.9	43.6	43.6	43.6	43.9	43.9	44.0	44.3	44.4	44.4	44.4	44.4	44.6	44.6	44.7	45.6
GE 12000	44.6	45.4	45.4	45.4	45.7	45.7	45.8	46.1	46.3	46.3	46.3	46.3	46.4	46.4	46.5	47.4
GE 10000	45.6	46.4	46.4	46.4	46.7	46.7	46.8	47.1	47.2	47.2	47.2	47.2	47.4	47.4	47.5	48.3
GE 9000	47.6	48.5	48.5	48.5	48.8	48.8	48.9	49.2	49.3	49.3	49.3	49.3	49.4	49.4	49.7	50.6
GE 8000	49.9	50.7	50.7	50.7	51.0	51.0	51.1	51.5	51.7	51.7	51.7	51.7	51.8	51.8	52.1	52.9
GE 7000	52.1	52.9	52.9	52.9	53.2	53.2	53.3	53.8	53.9	53.9	53.9	53.9	54.0	54.0	54.3	55.1
GE 6000	56.1	56.9	56.9	56.9	57.2	57.2	57.4	57.8	57.9	57.9	57.9	57.9	58.1	58.1	58.3	59.2
GE 5000	59.2	60.3	60.3	60.4	60.8	60.8	61.0	61.4	61.5	61.5	61.5	61.5	61.7	61.7	61.9	62.8
GE 4500	60.6	61.7	61.7	61.8	62.2	62.2	62.4	62.8	62.9	62.9	62.9	62.9	63.1	63.1	63.3	64.2
GE 4000	62.9	64.0	64.2	64.3	64.9	64.9	65.4	65.8	66.0	66.0	66.0	66.0	66.1	66.1	66.4	67.2
GE 3500	67.4	68.5	68.6	68.8	69.3	69.3	69.9	70.3	70.6	70.6	70.6	70.6	70.7	70.7	71.0	71.8
GE 3000	70.4	71.5	71.7	71.8	72.4	72.4	73.1	73.5	73.9	73.9	73.9	73.9	74.0	74.0	74.3	75.1
GE 2500	72.5	73.6	73.9	74.2	74.9	74.9	75.6	76.0	76.4	76.4	76.4	76.4	76.5	76.5	76.8	77.6
GE 2000	74.6	75.7	76.1	76.5	77.5	77.5	78.2	78.9	79.3	79.3	79.3	79.3	79.4	79.4	79.7	80.6
GE 1800	75.8	76.9	77.5	77.9	78.9	78.9	79.6	80.3	80.7	80.7	80.7	80.7	80.8	80.8	81.1	81.9
GE 1500	77.6	78.9	79.7	80.3	81.3	81.3	81.9	82.8	83.2	83.2	83.2	83.2	83.3	83.3	83.6	84.4
GE 1200	79.2	80.8	82.2	82.9	84.2	84.4	85.4	86.3	86.8	86.8	86.8	86.8	86.9	86.9	87.2	88.1
GE 1000	79.6	81.4	82.9	83.8	85.1	85.4	86.5	87.4	87.9	87.9	87.9	87.9	88.1	88.1	88.3	89.2
GE 900	80.6	82.5	84.2	85.3	87.1	87.4	88.6	89.4	90.0	90.0	90.0	90.0	90.1	90.1	90.4	91.3
GE 800	81.1	83.1	84.9	86.1	87.9	88.2	89.6	90.4	91.0	91.0	91.0	91.0	91.1	91.1	91.4	92.2
GE 700	81.3	83.2	85.0	86.5	88.9	89.2	91.0	91.8	92.4	92.4	92.4	92.4	92.5	92.5	92.8	93.6
GE 600	81.4	83.3	85.1	86.7	89.0	89.6	91.4	92.5	93.3	93.3	93.3	93.3	93.5	93.5	93.8	94.6
GE 500	81.4	83.3	85.1	86.7	89.0	89.7	91.7	92.9	93.8	93.9	93.9	93.9	94.0	94.0	94.3	95.1
GE 400	81.4	83.5	85.6	87.1	89.9	90.6	92.5	94.0	95.3	95.4	95.4	95.4	95.6	95.6	95.8	96.8
GE 300	81.4	83.5	85.6	87.4	90.3	91.5	93.9	95.6	96.9	97.1	97.1	97.1	97.5	97.5	97.8	99.2
GE 200	81.4	83.5	85.6	87.4	90.4	91.8	94.2	95.8	97.5	97.6	97.6	97.6	98.1	98.1	98.3	99.9
GE 100	81.4	83.5	85.6	87.4	90.4	91.8	94.3	96.0	97.6	97.8	97.8	97.8	98.2	98.2	98.5	100.0
GE 000	81.4	83.5	85.6	87.4	90.4	91.8	94.3	96.0	97.6	97.8	97.8	97.8	98.2	98.2	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 720

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.3	39.3	39.3	39.3	39.7	39.7	40.4	40.5	40.7	40.7	40.7	40.7	40.7	40.9	41.1	41.5
GE 20000	42.2	42.2	42.2	42.2	42.6	42.6	43.3	43.5	43.6	43.6	43.6	43.6	43.6	43.9	44.0	44.4
GE 18000	42.2	42.2	42.2	42.2	42.6	42.6	43.3	43.5	43.6	43.6	43.6	43.6	43.6	43.9	44.0	44.4
GE 16000	42.2	42.2	42.2	42.2	42.6	42.6	43.3	43.5	43.6	43.6	43.6	43.6	43.6	43.9	44.0	44.4
GE 14000	42.6	42.6	42.6	42.6	43.0	43.0	43.7	43.9	44.0	44.0	44.0	44.0	44.0	44.3	44.4	44.8
GE 12000	43.5	43.5	43.5	43.5	43.9	43.9	44.6	44.7	44.8	44.8	44.8	44.8	44.8	45.1	45.3	45.7
GE 10000	44.3	44.3	44.3	44.3	44.7	44.7	45.4	45.5	45.7	45.7	45.7	45.7	45.7	46.0	46.1	46.5
GE 9000	45.5	45.5	45.5	45.5	46.0	46.0	46.7	46.8	46.9	46.9	46.9	46.9	46.9	47.2	47.4	47.8
GE 8000	47.1	47.1	47.1	47.1	47.6	47.6	48.3	48.5	48.6	48.6	48.6	48.6	48.6	48.9	49.2	49.6
GE 7000	49.0	49.0	49.0	49.0	49.6	49.6	50.3	50.4	50.6	50.6	50.6	50.6	50.6	50.8	51.1	51.5
GE 6000	51.1	51.4	51.5	51.5	52.1	52.1	52.8	53.1	53.2	53.2	53.2	53.2	53.2	53.5	53.8	54.2
GE 5000	55.6	55.8	56.1	56.1	56.7	56.7	57.4	57.7	57.8	57.8	57.8	57.8	57.8	58.1	58.4	58.8
GE 4500	56.0	56.3	56.5	56.5	57.1	57.1	57.8	58.1	58.2	58.2	58.2	58.2	58.2	58.5	58.8	59.2
GE 4000	59.3	59.6	59.9	59.9	60.4	60.4	61.1	61.4	61.6	61.6	61.6	61.6	61.6	61.8	62.1	62.5
GE 3500	63.2	63.6	63.9	64.2	64.9	64.9	65.7	66.0	66.2	66.2	66.2	66.2	66.2	66.4	66.7	67.1
GE 3000	67.1	67.5	68.5	68.9	69.8	69.8	70.6	70.9	71.0	71.2	71.2	71.2	71.2	71.4	71.7	72.1
GE 2500	70.1	70.5	71.4	72.0	73.0	73.0	73.8	74.1	74.2	74.4	74.4	74.4	74.4	74.7	74.9	75.5
GE 2000	73.4	74.0	75.1	75.6	76.6	76.7	77.6	77.9	78.0	78.1	78.1	78.1	78.1	78.4	78.7	79.2
GE 1800	74.1	74.7	75.8	76.5	77.4	77.6	78.4	78.7	78.8	79.0	79.0	79.0	79.0	79.2	79.5	80.1
GE 1500	74.9	75.6	76.7	77.4	78.4	78.6	79.4	79.8	79.9	80.1	80.1	80.1	80.1	80.4	80.6	81.2
GE 1200	77.6	78.4	79.9	80.8	82.5	82.6	83.8	84.3	84.4	84.5	84.5	84.5	84.5	84.8	85.1	85.7
GE 1000	78.7	79.5	81.1	81.9	83.7	83.8	85.1	85.5	85.7	85.8	85.8	85.8	85.8	86.1	86.4	86.9
GE 900	79.0	80.1	81.8	82.6	84.5	84.7	86.1	86.5	86.6	86.8	86.8	86.8	86.8	87.0	87.3	87.9
GE 800	79.5	80.8	82.9	84.0	85.9	86.1	87.6	88.0	88.2	88.3	88.3	88.3	88.3	88.6	88.9	89.7
GE 700	80.2	81.5	84.1	85.2	87.2	87.5	89.3	89.7	90.0	90.1	90.1	90.1	90.1	90.4	90.7	91.5
GE 600	80.5	81.8	84.7	86.1	88.2	88.4	90.7	91.5	91.8	91.9	91.9	91.9	91.9	92.2	92.5	93.5
GE 500	80.5	81.8	84.7	86.1	88.2	88.4	90.7	91.6	91.9	92.1	92.3	92.3	92.3	92.6	92.9	93.7
GE 400	80.5	81.8	85.0	86.8	89.7	90.0	92.2	93.7	94.2	94.3	94.6	94.7	94.8	95.1	95.4	96.2
GE 300	80.5	81.9	85.1	87.5	90.5	90.9	93.2	95.1	95.5	95.7	96.0	96.1	96.2	96.5	96.8	97.1
GE 200	80.5	81.9	85.1	87.5	90.5	91.4	93.7	95.7	96.2	96.4	96.7	96.8	97.1	97.4	97.9	99.3
GE 100	80.5	81.9	85.1	87.5	90.5	91.4	93.7	95.7	96.2	96.5	96.8	96.9	97.4	97.6	98.2	99.6
GE 000	80.5	81.9	85.1	87.5	90.5	91.4	93.7	95.7	96.2	96.5	96.8	96.9	97.4	97.6	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 718

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.6	37.9	38.1	38.4	38.6	38.7	38.9	39.3	39.5	39.5	39.7	39.7	39.8	39.8	40.0	40.1
GE 20000	41.3	41.5	41.9	42.2	42.3	42.4	42.6	43.1	43.3	43.3	43.4	43.4	43.6	43.6	44.0	44.2
GE 18000	41.4	41.7	42.0	42.3	42.4	42.6	42.8	43.2	43.4	43.4	43.6	43.6	43.7	43.7	44.1	44.3
GE 16000	41.6	41.9	42.2	42.5	42.6	42.8	43.0	43.4	43.6	43.6	43.8	43.8	43.9	43.9	44.3	44.5
GE 14000	42.4	42.6	43.0	43.3	43.4	43.6	43.8	44.2	44.4	44.4	44.5	44.5	44.7	44.7	45.1	45.3
GE 12000	43.3	43.7	44.0	44.3	44.5	44.6	44.8	45.3	45.5	45.5	45.6	45.6	45.8	45.8	46.2	46.4
GE 10000	45.8	46.3	46.7	46.9	47.1	47.2	47.4	47.9	48.1	48.1	48.3	48.3	48.4	48.4	48.8	49.0
GE 9000	46.5	47.0	47.4	47.7	47.9	48.0	48.2	48.7	48.9	48.9	49.0	49.0	49.2	49.2	49.6	49.8
GE 8000	49.0	49.5	50.1	50.4	50.6	50.8	51.0	51.5	51.7	51.7	51.9	51.9	52.0	52.0	52.4	52.6
GE 7000	50.1	50.6	51.4	51.7	52.3	52.5	52.7	53.2	53.4	53.4	53.5	53.5	53.7	53.7	54.1	54.3
GE 6000	51.0	51.7	52.4	52.8	53.3	53.6	53.8	54.3	54.5	54.5	54.6	54.6	54.8	54.8	55.2	55.4
GE 5000	53.3	54.0	54.8	55.1	55.8	56.0	56.2	56.7	56.9	56.9	57.1	57.1	57.2	57.2	57.6	57.8
GE 4500	54.9	55.6	56.4	56.8	57.5	57.9	58.1	58.6	58.8	58.8	59.0	59.0	59.2	59.2	59.6	59.8
GE 4000	57.8	58.5	59.2	59.8	60.5	60.9	61.2	61.7	61.9	61.9	62.1	62.1	62.3	62.3	62.7	63.0
GE 3500	60.7	61.6	62.4	63.0	63.7	64.1	64.4	65.0	65.3	65.3	65.5	65.5	65.6	65.6	66.0	66.3
GE 3000	64.6	65.5	66.6	67.3	68.3	68.7	69.1	69.8	70.0	70.0	70.2	70.2	70.4	70.4	70.8	71.1
GE 2500	67.1	68.0	69.1	70.0	71.2	71.6	72.0	72.6	72.8	72.8	73.1	73.1	73.2	73.2	73.6	73.9
GE 2000	70.2	71.2	72.5	73.4	74.7	75.2	75.7	76.3	76.5	76.5	76.8	76.8	76.9	76.9	77.3	77.6
GE 1800	71.1	72.1	73.3	74.3	75.7	76.2	76.6	77.3	77.5	77.5	77.7	77.7	77.9	77.9	78.3	78.6
GE 1500	73.3	74.5	75.9	77.2	78.6	79.1	79.5	80.2	80.4	80.4	80.7	80.7	80.9	80.9	81.3	81.6
GE 1200	75.6	77.2	78.8	80.4	82.4	83.0	83.5	84.3	84.5	84.5	84.8	84.8	85.0	85.0	85.4	85.6
GE 1000	76.5	78.2	79.8	81.6	83.7	84.4	85.1	86.0	86.2	86.2	86.5	86.5	86.6	86.6	87.0	87.3
GE 900	76.9	78.6	80.4	82.4	84.7	85.4	86.1	87.0	87.2	87.2	87.5	87.5	87.7	87.7	88.1	88.4
GE 800	77.1	78.9	80.9	83.4	85.8	86.7	87.5	88.4	88.6	88.7	89.0	89.0	89.2	89.2	89.6	89.9
GE 700	77.4	79.3	81.5	84.1	86.7	87.9	88.9	89.9	90.2	90.4	90.7	90.7	90.9	90.9	91.3	91.6
GE 600	77.5	79.6	81.9	84.7	87.7	89.0	90.2	91.4	91.7	91.9	92.2	92.4	92.6	92.6	93.1	93.3
GE 500	77.7	79.8	82.0	84.9	88.3	89.8	91.1	92.5	93.1	93.2	93.6	93.8	94.0	94.0	94.5	94.7
GE 400	77.7	79.8	82.1	85.0	88.4	90.2	91.5	93.3	93.8	94.0	94.5	94.6	94.8	94.9	95.4	95.6
GE 300	77.7	79.8	82.1	85.2	88.9	90.7	92.0	93.9	94.6	94.7	95.4	95.5	95.8	96.0	96.5	96.9
GE 200	77.7	79.8	82.1	85.2	88.9	90.8	92.2	94.2	95.0	95.2	96.0	96.3	96.6	96.7	97.3	98.1
GE 100	77.7	79.8	82.1	85.2	88.9	90.8	92.2	94.2	95.1	95.4	96.2	96.5	96.9	97.1	97.6	99.0
GE 000	77.7	79.8	82.1	85.2	88.9	90.8	92.2	94.2	95.1	95.4	96.2	96.5	96.9	97.1	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1442

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.4	36.7	37.2	37.6	37.8	37.9	38.0	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.5
GE 20000	42.2	42.7	43.2	43.7	44.0	44.1	44.2	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.5	44.8
GE 18000	42.4	42.8	43.4	43.9	44.1	44.2	44.3	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.6	44.9
GE 16000	42.4	42.9	43.4	43.9	44.1	44.3	44.4	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.7	45.0
GE 14000	42.8	43.2	43.8	44.3	44.5	44.7	44.7	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.1	45.4
GE 12000	43.9	44.3	44.9	45.4	45.8	46.0	46.0	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.4	46.6
GE 10000	46.2	46.7	47.5	48.1	48.6	48.7	48.8	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.1	49.4
GE 9000	47.1	47.6	48.4	49.0	49.5	49.6	49.7	49.8	49.9	49.9	49.9	49.9	49.9	49.9	50.0	50.3
GE 8000	50.0	50.6	51.5	52.1	52.5	52.7	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.4
GE 7000	52.3	53.0	53.9	54.5	55.0	55.1	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.5	55.8
GE 6000	53.0	53.8	54.6	55.3	55.7	55.9	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.3	56.5
GE 5000	55.0	55.8	56.7	57.3	57.8	58.0	58.1	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.7
GE 4500	56.8	57.6	58.6	59.3	59.9	60.1	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.5	60.8
GE 4000	60.5	61.4	62.5	63.3	63.9	64.2	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.8	65.1
GE 3500	64.2	65.1	66.2	67.0	67.7	68.1	68.5	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.9	69.1
GE 3000	67.4	68.3	69.5	70.3	71.0	71.4	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.2	72.4
GE 2500	71.3	72.4	73.8	74.8	75.5	75.9	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.7	76.9
GE 2000	74.4	75.6	77.0	78.2	79.0	79.4	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.5
GE 1800	75.3	76.5	78.0	79.1	80.0	80.4	80.8	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.5
GE 1500	77.3	78.6	80.3	81.6	82.6	83.1	83.5	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.9	84.2
GE 1200	79.7	81.4	83.7	85.5	86.7	87.3	87.8	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.6
GE 1000	80.2	82.1	84.7	86.8	88.2	88.9	89.4	89.7	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.3
GE 900	80.5	82.5	85.1	87.4	89.2	90.0	90.5	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.4
GE 800	80.8	83.0	85.7	88.4	90.3	91.2	91.8	92.3	92.5	92.5	92.5	92.6	92.6	92.6	92.7	93.0
GE 700	81.0	83.3	86.3	89.3	91.3	92.4	93.1	93.6	93.8	93.8	93.9	93.9	93.9	93.9	94.0	94.3
GE 600	81.0	83.4	86.4	89.5	91.8	93.0	93.9	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.9	95.2
GE 500	81.1	83.4	86.6	89.9	92.3	93.6	94.6	95.2	95.5	95.5	95.6	95.7	95.7	95.8	95.9	96.2
GE 400	81.1	83.4	86.7	90.0	92.5	94.1	95.2	96.1	96.3	96.4	96.5	96.6	96.6	96.7	96.8	97.2
GE 300	81.1	83.4	86.7	90.0	92.6	94.2	95.3	96.5	96.8	97.0	97.2	97.2	97.4	97.5	97.6	98.1
GE 200	81.1	83.4	86.7	90.1	92.7	94.2	95.3	96.9	97.3	97.6	97.8	97.9	98.1	98.2	98.5	99.3
GE 100	81.1	83.4	86.7	90.1	92.7	94.2	95.3	97.1	97.5	97.8	98.1	98.1	98.3	98.6	98.9	99.9
GE 000	81.1	83.4	86.7	90.1	92.7	94.2	95.3	97.1	97.5	97.8	98.1	98.1	98.3	98.6	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1799

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.2	39.3	39.5	39.6	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
GE 20000	46.2	46.3	46.5	46.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 18000	46.3	46.4	46.6	46.8	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 16000	46.4	46.6	46.7	46.9	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 14000	47.9	48.1	48.2	48.4	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 12000	50.0	50.2	50.3	50.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 10000	52.3	52.4	52.7	52.9	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 9000	53.3	53.4	53.7	53.9	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 8000	55.3	55.5	55.8	56.1	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 7000	56.7	56.9	57.2	57.4	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 6000	57.9	58.1	58.3	58.7	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 5000	59.9	60.2	60.6	61.1	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 4500	61.7	62.0	62.4	62.8	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 4000	66.9	67.3	67.8	68.3	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 3500	71.1	71.4	72.0	72.5	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 3000	75.1	75.5	76.2	76.7	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 2500	78.8	79.4	80.3	80.9	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 2000	82.2	83.1	84.0	84.7	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 1800	82.7	83.6	84.7	85.4	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1500	84.4	85.6	86.8	87.6	88.3	88.5	88.7	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9
GE 1200	86.4	87.7	88.9	90.0	91.0	91.4	91.9	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1000	86.8	88.4	90.2	91.3	92.7	93.2	93.9	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 900	86.9	88.6	90.4	91.6	93.1	93.7	94.5	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 800	87.4	89.2	91.0	92.3	93.8	94.6	95.7	96.0	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3
GE 700	87.4	89.3	91.3	92.9	94.4	95.3	96.5	96.9	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2
GE 600	87.4	89.3	91.3	93.0	94.8	95.7	97.0	97.5	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8
GE 500	87.6	89.5	91.6	93.3	95.2	96.1	97.5	98.0	98.1	98.2	98.4	98.4	98.4	98.5	98.5	98.5
GE 400	87.6	89.5	91.7	93.5	95.5	96.5	97.9	98.4	98.5	98.7	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	87.6	89.5	91.7	93.5	95.5	96.6	97.9	98.6	98.7	99.0	99.3	99.3	99.3	99.4	99.4	99.4
GE 200	87.6	89.5	91.7	93.5	95.5	96.6	98.0	98.7	98.9	99.3	99.6	99.6	99.7	99.7	99.7	99.8
GE 100	87.6	89.5	91.7	93.5	95.5	96.6	98.0	98.7	98.9	99.3	99.6	99.6	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1800

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.9	41.0	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 20000	45.6	45.7	45.8	45.9	45.9	46.1	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 18000	45.7	45.8	45.9	46.0	46.1	46.2	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 16000	45.7	45.9	46.0	46.1	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 14000	46.5	46.7	46.8	46.8	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 12000	48.9	49.1	49.2	49.3	49.3	49.4	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 10000	51.8	52.0	52.2	52.2	52.3	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 9000	52.7	52.9	53.1	53.2	53.3	53.4	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 8000	55.2	55.5	55.7	55.7	55.8	55.9	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 7000	56.4	56.8	56.9	57.0	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 6000	57.3	57.7	57.8	57.9	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 5000	60.4	60.8	61.0	61.1	61.2	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 4500	63.6	63.9	64.2	64.2	64.3	64.4	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 4000	69.2	69.7	69.9	70.0	70.2	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 3500	73.4	73.9	74.2	74.2	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 3000	77.7	78.3	78.6	78.7	78.9	79.0	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 2500	81.0	81.7	82.1	82.3	82.5	82.6	82.7	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 2000	83.9	84.8	85.4	85.7	86.1	86.2	86.3	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 1800	84.2	85.2	85.8	86.1	86.5	86.7	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 1500	85.7	86.8	87.6	88.0	88.8	89.3	89.7	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 1200	87.2	88.6	89.6	90.2	91.3	92.1	92.9	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 1000	87.7	89.2	90.4	91.2	92.4	93.1	94.1	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 900	87.9	89.4	90.7	91.4	92.7	93.5	94.5	95.1	95.2	95.3	95.3	95.3	95.4	95.4	95.4	95.4
GE 800	88.2	89.8	91.1	91.9	93.3	94.2	95.2	95.9	96.0	96.2	96.2	96.2	96.3	96.3	96.3	96.3
GE 700	88.2	89.9	91.2	92.1	93.6	94.5	95.6	96.3	96.4	96.7	96.7	96.7	96.8	96.8	96.8	96.8
GE 600	88.2	89.9	91.2	92.1	93.7	94.7	95.9	96.8	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2
GE 500	88.3	89.9	91.3	92.3	94.0	95.1	96.4	97.4	97.5	97.8	97.9	97.9	97.9	97.9	97.9	97.9
GE 400	88.3	89.9	91.3	92.3	94.3	95.4	96.8	98.1	98.2	98.6	98.7	98.8	98.8	98.9	98.9	98.9
GE 300	88.3	89.9	91.3	92.4	94.4	95.6	97.0	98.5	98.8	99.2	99.3	99.4	99.4	99.5	99.5	99.5
GE 200	88.3	89.9	91.3	92.4	94.4	95.6	97.0	98.5	98.9	99.3	99.5	99.6	99.7	99.7	99.8	99.8
GE 100	88.3	89.9	91.3	92.4	94.4	95.6	97.0	98.5	98.9	99.3	99.6	99.7	99.8	99.8	99.9	99.9
GE 000	88.3	89.9	91.3	92.4	94.4	95.6	97.0	98.5	98.9	99.3	99.6	99.7	99.8	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1800

OPERATING LOCATION "A"  
ASAFAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.9	43.2	43.5	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.8	43.8	43.8	43.8
GE 20000	46.3	46.6	46.8	46.9	46.9	46.9	47.2	47.2	47.2	47.2	47.2	47.2	47.3	47.3	47.3	47.3
GE 18000	46.3	46.6	46.8	46.9	46.9	46.9	47.2	47.2	47.2	47.2	47.2	47.2	47.3	47.3	47.3	47.3
GE 16000	46.3	46.6	46.8	46.9	46.9	46.9	47.2	47.2	47.2	47.2	47.2	47.2	47.3	47.3	47.3	47.3
GE 14000	46.5	46.8	47.1	47.2	47.2	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.5	47.5	47.5	47.5
GE 12000	47.9	48.2	48.4	48.6	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.9	48.9	48.9	48.9
GE 10000	51.1	51.3	51.6	51.7	51.7	51.7	51.9	52.0	52.0	52.0	52.0	52.0	52.1	52.1	52.1	52.1
GE 9000	52.2	52.5	52.8	52.9	52.9	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 8000	55.1	55.3	55.7	55.8	55.8	55.8	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 7000	57.3	57.7	58.0	58.1	58.1	58.1	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 6000	58.6	59.0	59.3	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8	59.8	59.8
GE 5000	62.4	63.0	63.4	63.5	63.5	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9
GE 4500	65.1	65.7	66.1	66.2	66.2	66.3	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 4000	68.7	69.3	69.9	70.2	70.2	70.3	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 3500	72.2	72.9	73.6	73.8	73.8	73.9	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 3000	75.2	75.9	76.7	76.9	77.1	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5
GE 2500	78.5	79.4	80.2	80.5	80.7	80.7	80.9	81.1	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.2
GE 2000	81.8	82.9	83.8	84.2	84.5	84.6	84.8	85.0	85.0	85.0	85.0	85.0	85.1	85.1	85.1	85.1
GE 1800	82.5	83.7	84.6	85.1	85.4	85.4	85.7	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0
GE 1500	84.3	85.5	86.6	87.3	88.2	88.5	89.0	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3
GE 1200	85.6	87.1	88.6	89.7	90.9	91.6	92.4	92.7	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8
GE 1000	86.1	87.8	89.6	90.9	92.2	92.8	93.9	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3
GE 900	86.3	88.0	89.9	91.2	92.6	93.3	94.5	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9
GE 800	86.4	88.1	90.1	91.7	93.2	93.9	95.2	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7
GE 700	86.6	88.3	90.3	91.9	93.4	94.2	95.6	96.0	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2
GE 600	86.7	88.4	90.3	92.1	93.6	94.3	95.9	96.4	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6
GE 500	86.7	88.4	90.4	92.1	93.8	94.7	96.4	97.0	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3
GE 400	86.7	88.4	90.6	92.3	94.1	95.7	97.1	97.7	97.9	97.9	98.2	98.2	98.3	98.3	98.3	98.3
GE 300	86.7	88.4	90.7	92.5	94.5	95.5	97.8	98.6	98.8	98.9	99.1	99.1	99.2	99.3	99.4	99.4
GE 200	86.7	88.4	90.8	92.6	94.6	95.6	98.2	98.9	99.2	99.3	99.5	99.6	99.7	99.8	99.9	99.9
GE 100	86.7	88.4	90.8	92.6	94.6	95.6	98.2	98.9	99.2	99.4	99.6	99.7	99.8	99.9	100.0	100.0
GE 000	86.7	88.4	90.8	92.6	94.6	95.6	98.2	98.9	99.2	99.4	99.6	99.7	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1800



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.4	42.6	42.9	43.3	43.5	43.5	43.5	43.5	43.5	43.6	43.6	43.6	43.6	43.7	43.7	43.9
GE 20000	45.8	46.2	46.5	46.8	47.0	47.0	47.0	47.0	47.0	47.1	47.1	47.2	47.2	47.2	47.2	47.4
GE 18000	45.9	46.2	46.5	46.9	47.1	47.1	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.3	47.3	47.5
GE 16000	45.9	46.2	46.5	46.9	47.1	47.1	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.3	47.3	47.5
GE 14000	46.0	46.3	46.7	47.0	47.3	47.3	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.5	47.5	47.7
GE 12000	47.2	47.5	47.8	48.1	48.4	48.4	48.4	48.4	48.4	48.5	48.5	48.6	48.6	48.6	48.6	48.8
GE 10000	50.2	50.5	50.8	51.1	51.4	51.4	51.6	51.6	51.6	51.7	51.7	51.8	51.8	51.8	51.8	52.0
GE 9000	51.2	51.5	51.8	52.1	52.5	52.5	52.6	52.6	52.6	52.7	52.7	52.8	52.8	52.8	52.8	53.0
GE 8000	54.0	54.4	54.7	55.0	55.4	55.4	55.5	55.5	55.5	55.6	55.6	55.7	55.7	55.7	55.7	55.9
GE 7000	55.5	56.0	56.4	56.7	57.1	57.1	57.2	57.2	57.2	57.3	57.3	57.4	57.4	57.4	57.4	57.7
GE 6000	57.7	58.2	58.6	58.9	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.6	59.6	59.6	59.6	59.9
GE 5000	61.2	61.8	62.4	62.8	63.1	63.1	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.5	63.5	63.7
GE 4500	63.6	64.2	64.9	65.3	65.6	65.6	65.8	65.8	65.8	65.9	65.9	65.9	65.9	66.0	66.0	66.2
GE 4000	66.6	67.2	67.8	68.3	68.6	68.6	68.8	69.0	69.0	69.1	69.1	69.1	69.1	69.2	69.2	69.5
GE 3500	69.5	70.2	70.8	71.3	71.7	71.8	72.0	72.2	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.7
GE 3000	72.2	72.8	73.4	74.0	74.6	74.6	74.9	75.0	75.0	75.1	75.1	75.2	75.2	75.3	75.3	75.5
GE 2500	75.4	76.1	76.9	77.7	78.3	78.4	78.7	78.8	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.3
GE 2000	79.0	79.7	80.8	81.7	82.4	82.6	82.9	83.1	83.1	83.2	83.2	83.2	83.2	83.3	83.3	83.6
GE 1800	80.4	81.2	82.3	83.2	83.9	84.1	84.4	84.6	84.6	84.7	84.7	84.8	84.8	84.8	84.8	85.1
GE 1500	82.4	83.4	85.0	86.1	87.1	87.5	88.0	88.2	88.2	88.3	88.3	88.4	88.4	88.4	88.4	88.7
GE 1200	84.0	85.1	86.8	88.4	90.1	90.6	91.2	91.4	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.9
GE 1000	84.8	85.9	87.8	89.4	91.3	91.9	92.7	92.9	92.9	93.1	93.1	93.1	93.1	93.3	93.3	93.5
GE 900	85.1	86.2	88.3	90.1	92.1	92.7	93.5	93.7	93.7	93.8	93.8	93.9	93.9	94.0	94.0	94.3
GE 800	85.1	86.3	88.4	90.4	92.5	93.3	94.2	94.6	94.6	94.8	94.8	94.8	94.8	95.0	95.0	95.2
GE 700	85.1	86.3	88.4	90.4	92.6	93.5	94.5	95.3	95.3	95.5	95.5	95.5	95.5	95.7	95.7	95.9
GE 600	85.1	86.3	88.4	90.8	93.1	94.0	95.1	95.8	95.9	96.0	96.0	96.1	96.1	96.2	96.2	96.5
GE 500	85.1	86.3	88.4	91.0	93.4	94.5	95.8	96.6	96.7	96.8	96.9	96.9	96.9	97.0	97.0	97.3
GE 400	85.2	86.4	88.5	91.1	93.5	94.7	96.5	97.5	97.5	97.7	97.7	97.8	97.8	98.0	98.1	98.4
GE 300	85.2	86.4	88.5	91.2	93.6	94.8	96.9	97.9	98.2	98.3	98.4	98.4	98.4	98.6	98.7	99.0
GE 200	85.2	86.4	88.5	91.2	93.6	94.9	97.2	98.5	98.7	99.0	99.1	99.1	99.3	99.4	99.4	99.7
GE 100	85.2	86.4	88.5	91.2	93.6	94.9	97.2	98.6	98.8	99.1	99.3	99.4	99.6	99.7	99.7	100.0
GE 000	85.2	86.4	88.5	91.2	93.6	94.9	97.2	98.6	98.8	99.1	99.3	99.4	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1588

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.9	40.1	40.4	40.5	40.7	40.7	40.8	40.9	41.0	41.0	41.0	41.0	41.1	41.1	41.1	41.3
GE 20000	44.4	44.7	44.9	45.1	45.3	45.4	45.5	45.6	45.7	45.7	45.7	45.7	45.7	45.8	45.9	46.0
GE 18000	44.5	44.7	45.0	45.2	45.4	45.5	45.6	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.9	46.1
GE 16000	44.5	44.8	45.1	45.3	45.5	45.5	45.6	45.7	45.8	45.8	45.8	45.8	45.9	45.9	46.0	46.2
GE 14000	45.1	45.4	45.7	45.9	46.1	46.1	46.3	46.4	46.4	46.4	46.5	46.5	46.5	46.5	46.6	46.8
GE 12000	46.6	46.9	47.2	47.4	47.6	47.7	47.8	47.9	48.0	48.0	48.0	48.0	48.1	48.1	48.2	48.4
GE 10000	49.1	49.4	49.7	50.0	50.2	50.3	50.4	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.8	51.0
GE 9000	50.1	50.5	50.8	51.0	51.3	51.4	51.5	51.6	51.7	51.7	51.7	51.7	51.8	51.8	51.9	52.1
GE 8000	52.6	53.0	53.4	53.6	53.9	54.0	54.1	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.5	54.7
GE 7000	54.3	54.8	55.2	55.4	55.7	55.8	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.3	56.4	56.6
GE 6000	55.8	56.2	56.6	56.9	57.2	57.3	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.8	57.9	58.0
GE 5000	58.7	59.2	59.7	60.0	60.4	60.5	60.6	60.8	60.8	60.8	60.9	60.9	60.9	60.9	61.0	61.2
GE 4500	60.8	61.3	61.8	62.2	62.5	62.7	62.8	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.2	63.4
GE 4000	64.7	65.3	65.9	66.3	66.7	66.8	67.0	67.2	67.3	67.3	67.3	67.3	67.4	67.4	67.5	67.7
GE 3500	68.3	69.0	69.6	70.1	70.5	70.6	70.9	71.1	71.1	71.2	71.2	71.2	71.2	71.3	71.4	71.6
GE 3000	71.9	72.5	73.3	73.7	74.3	74.4	74.7	74.9	75.0	75.0	75.1	75.1	75.1	75.1	75.2	75.4
GE 2500	75.1	75.9	76.8	77.4	78.0	78.1	78.4	78.6	78.7	78.7	78.8	78.8	78.8	78.8	78.9	79.1
GE 2000	78.3	79.2	80.2	80.9	81.6	81.8	82.1	82.4	82.5	82.5	82.5	82.5	82.6	82.6	82.7	82.9
GE 1800	79.1	80.0	81.1	81.8	82.5	82.8	83.1	83.3	83.4	83.5	83.5	83.5	83.5	83.6	83.7	83.9
GE 1500	80.9	82.0	83.3	84.1	85.1	85.4	85.9	86.2	86.3	86.3	86.3	86.3	86.4	86.4	86.5	86.7
GE 1200	82.7	84.1	85.7	86.9	88.2	88.8	89.5	89.9	90.0	90.0	90.1	90.1	90.1	90.2	90.3	90.5
GE 1000	83.3	84.9	86.7	88.0	89.6	90.2	91.0	91.4	91.6	91.6	91.7	91.7	91.7	91.7	91.8	92.0
GE 900	83.6	85.2	87.1	88.6	90.3	90.9	91.8	92.3	92.4	92.5	92.5	92.5	92.6	92.6	92.7	92.9
GE 800	83.9	85.6	87.6	89.3	91.1	91.8	92.9	93.4	93.5	93.6	93.7	93.7	93.7	93.8	93.9	94.1
GE 700	84.1	85.8	87.9	89.8	91.7	92.5	93.7	94.3	94.5	94.6	94.7	94.7	94.7	94.8	94.9	95.1
GE 600	84.1	85.9	88.1	90.0	92.1	93.0	94.4	95.1	95.3	95.4	95.5	95.5	95.6	95.6	95.7	95.9
GE 500	84.2	86.0	88.2	90.2	92.4	93.5	94.9	95.7	96.0	96.1	96.3	96.3	96.4	96.4	96.5	96.7
GE 400	84.2	86.0	88.3	90.4	92.8	93.9	95.5	96.6	96.9	97.0	97.2	97.2	97.4	97.4	97.5	97.8
GE 300	84.2	86.0	88.3	90.5	93.0	94.3	95.9	97.2	97.6	97.8	98.0	98.0	98.2	98.3	98.4	98.7
GE 200	84.2	86.0	88.3	90.6	93.0	94.3	96.1	97.5	98.0	98.2	98.5	98.6	98.7	98.8	99.0	99.5
GE 100	84.2	86.0	88.3	90.6	93.0	94.3	96.2	97.5	98.0	98.3	98.6	98.7	98.9	99.0	99.3	99.8
GE 000	84.2	86.0	88.3	90.6	93.0	94.3	96.2	97.5	98.0	98.3	98.6	98.7	98.9	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 11667

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: DEC HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.4	39.4	39.6	39.6	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
GE 20000	41.7	41.7	41.8	41.8	42.0	42.2	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 18000	42.1	42.1	42.2	42.2	42.4	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 16000	42.1	42.1	42.2	42.2	42.4	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 14000	42.8	42.8	42.9	42.9	43.1	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 12000	43.2	43.2	43.4	43.4	43.5	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 10000	44.8	44.8	44.9	44.9	45.0	45.3	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 9000	45.5	45.5	45.6	45.6	45.7	46.0	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 8000	49.7	49.9	50.2	50.2	50.3	50.6	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 7000	50.5	50.8	51.0	51.0	51.3	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 6000	52.3	52.6	52.9	52.9	53.1	53.4	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 5000	55.2	55.7	55.9	56.1	56.4	56.6	56.6	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 4500	56.6	57.1	57.3	57.5	57.9	58.2	58.2	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 4000	61.5	62.1	62.4	62.5	62.9	63.2	63.2	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 3500	62.8	63.4	63.6	63.8	64.3	64.6	64.6	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 3000	66.2	67.0	67.3	67.4	68.0	68.4	68.4	68.5	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 2500	67.7	68.5	68.8	69.0	69.7	70.2	70.2	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 2000	70.2	71.0	71.3	71.5	72.2	72.7	73.0	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 1800	70.2	71.0	71.3	71.5	72.2	72.7	73.1	73.6	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 1500	71.9	72.7	73.1	73.6	74.4	75.2	75.9	76.5	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 1200	73.8	74.8	75.4	75.9	77.1	78.0	78.9	79.9	80.4	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 1000	74.7	76.1	76.8	77.5	78.7	80.1	81.1	82.5	83.1	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 900	75.5	76.9	77.6	78.3	79.6	81.1	82.2	83.8	84.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 800	75.7	77.3	78.7	79.4	80.7	82.5	84.1	86.3	87.0	87.7	87.7	87.8	87.8	87.8	87.8	87.8
GE 700	75.8	77.5	79.2	79.9	81.3	83.1	84.6	87.0	87.7	88.4	88.4	88.5	88.8	88.8	88.8	88.8
GE 600	76.1	77.8	79.6	80.3	81.8	83.9	85.5	88.0	89.0	89.8	89.8	89.9	90.2	90.3	90.3	90.5
GE 500	76.1	77.8	79.7	80.6	82.1	84.2	85.7	88.3	89.4	90.3	90.5	90.6	90.9	91.0	91.3	91.5
GE 400	76.1	77.8	79.7	80.6	82.1	84.2	85.7	88.3	89.4	90.6	91.0	91.2	92.0	92.2	92.7	93.1
GE 300	76.1	77.8	79.7	80.7	82.5	84.6	86.4	89.2	90.5	91.9	92.3	92.9	93.7	94.0	94.5	95.1
GE 200	76.1	77.8	79.7	80.7	82.5	84.6	86.4	89.5	90.8	92.2	92.6	93.1	94.7	95.1	96.4	97.5
GE 100	76.1	77.8	79.7	80.7	82.5	84.6	86.4	89.7	90.9	92.3	92.7	93.6	95.1	96.1	97.5	99.6
GE 000	76.1	77.8	79.7	80.7	82.5	84.6	86.4	89.7	90.9	92.3	92.7	93.6	95.1	96.1	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 715

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: DEC HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.5	38.5	38.7	38.9	38.9	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 20000	40.1	40.1	40.2	40.5	40.5	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 18000	40.3	40.3	40.5	40.8	40.8	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 16000	40.3	40.3	40.5	40.8	40.8	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 14000	40.5	40.5	40.6	40.9	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 12000	40.6	40.6	40.8	41.0	41.0	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 10000	44.5	44.5	44.7	45.0	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 9000	45.2	45.2	45.4	45.7	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 8000	49.3	49.4	49.7	50.0	50.0	50.0	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 7000	51.0	51.1	51.4	51.8	52.0	52.0	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 6000	53.5	53.9	54.3	54.8	55.0	55.0	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 5000	55.5	55.9	56.4	56.9	57.1	57.1	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 4500	57.1	57.6	58.1	58.5	58.8	58.8	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 4000	60.2	60.9	61.6	62.0	62.5	62.5	62.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 3500	62.2	62.9	63.6	64.0	64.6	64.6	64.8	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 3000	66.7	67.4	68.1	68.5	69.2	69.2	69.6	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 2500	68.2	68.9	69.7	70.2	71.6	71.7	72.3	72.7	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 2000	70.4	71.3	72.3	72.7	74.5	75.1	76.1	76.5	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 1800	71.4	72.3	73.2	73.7	75.5	76.1	77.0	77.5	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 1500	73.2	74.1	75.5	76.2	78.0	78.6	79.6	80.0	80.4	80.8	81.1	81.1	81.1	81.1	81.1	81.1
GE 1200	74.8	76.2	77.9	78.9	81.0	81.5	82.5	82.9	83.3	83.9	84.2	84.2	84.2	84.2	84.2	84.2
GE 1000	75.5	77.0	79.1	81.0	83.3	83.9	84.9	85.4	85.9	86.4	86.7	86.7	86.7	86.7	86.7	86.7
GE 900	75.8	77.3	79.4	81.2	83.8	84.3	85.3	86.0	86.4	87.1	87.4	87.4	87.4	87.4	87.4	87.4
GE 800	75.8	77.5	79.7	81.5	84.0	84.6	86.1	87.3	87.7	88.4	88.8	88.8	88.8	88.8	88.8	88.8
GE 700	76.1	77.7	80.1	81.9	84.5	85.0	86.7	88.0	88.7	89.4	89.8	89.8	89.8	89.8	89.8	89.8
GE 600	76.2	77.9	80.3	82.1	84.7	85.3	87.1	88.7	89.5	90.2	90.8	90.8	91.3	91.3	91.6	91.6
GE 500	76.2	77.9	80.3	82.2	85.0	85.7	87.5	89.1	90.1	91.0	91.6	91.6	92.2	92.2	92.4	92.6
GE 400	76.2	77.9	80.3	82.2	85.2	85.9	87.7	89.4	90.3	91.3	92.0	92.0	93.1	93.1	93.4	93.8
GE 300	76.2	77.9	80.3	82.2	85.2	85.9	87.7	89.4	90.5	91.6	92.3	92.3	93.4	93.6	93.8	94.7
GE 200	76.2	77.9	80.3	82.2	85.3	86.0	87.8	89.5	90.9	92.4	93.1	93.3	94.5	94.7	95.8	96.9
GE 100	76.2	77.9	80.3	82.2	85.3	86.0	87.8	89.5	90.9	92.4	93.1	93.4	94.7	94.8	96.2	98.5
GE 000	76.2	77.9	80.3	82.2	85.3	86.0	87.8	89.5	90.9	92.4	93.1	93.4	94.7	94.8	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 714

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.0	37.0	37.4	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.7	37.8
GE 20000	42.2	42.3	42.7	42.8	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.4	43.6
GE 18000	42.2	42.4	42.8	42.9	43.3	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.5	43.6
GE 16000	42.2	42.4	42.8	42.9	43.3	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.5	43.6
GE 14000	43.1	43.3	43.7	43.8	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.4	44.5
GE 12000	44.5	44.6	45.0	45.1	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.7	45.9
GE 10000	48.2	48.4	48.8	48.9	49.4	49.4	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	49.8
GE 9000	49.2	49.3	49.8	49.9	50.4	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.8
GE 8000	53.1	53.4	53.9	54.0	54.6	54.6	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.0	55.1
GE 7000	53.9	54.2	54.7	54.8	55.4	55.4	55.5	55.7	55.7	55.7	55.7	55.7	55.8	55.8	55.9	56.0
GE 6000	55.1	55.5	56.0	56.1	56.7	56.7	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.4
GE 5000	57.6	57.9	58.4	58.6	59.2	59.3	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.9
GE 4500	59.1	59.5	60.0	60.2	60.9	61.0	61.0	61.4	61.4	61.4	61.4	61.4	61.5	61.5	61.5	61.7
GE 4000	62.8	63.2	63.7	64.0	64.8	64.9	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.9
GE 3500	64.3	64.8	65.4	65.7	66.5	66.6	67.0	67.3	67.4	67.4	67.4	67.4	67.5	67.5	67.5	67.7
GE 3000	67.3	67.9	68.4	68.9	69.7	70.0	70.3	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.9	71.0
GE 2500	70.3	71.1	71.8	72.4	73.3	73.6	73.9	74.3	74.4	74.4	74.4	74.4	74.5	74.5	74.6	75.1
GE 2000	73.4	74.4	75.1	75.9	77.1	77.5	78.3	78.7	78.9	79.0	79.0	79.0	79.1	79.1	79.2	79.7
GE 1800	74.0	75.1	75.9	76.7	78.0	78.5	79.4	79.9	80.0	80.1	80.1	80.1	80.2	80.2	80.3	80.8
GE 1500	75.7	76.9	77.7	78.6	80.3	80.9	82.0	82.6	82.7	82.9	82.9	82.9	82.9	82.9	83.0	83.5
GE 1200	77.0	78.3	79.3	80.4	82.3	83.1	84.5	85.2	85.4	85.6	85.6	85.6	85.6	85.6	85.7	86.2
GE 1000	77.5	78.9	80.1	81.5	83.4	84.7	86.1	86.9	87.2	87.5	87.5	87.6	87.7	87.7	87.7	88.2
GE 900	77.6	79.0	80.2	81.6	83.6	85.0	86.5	87.5	87.9	88.2	88.2	88.3	88.4	88.4	88.4	88.9
GE 800	77.8	79.3	80.7	82.2	84.5	86.1	87.7	88.9	89.5	89.7	89.8	89.9	90.0	90.0	90.1	90.6
GE 700	78.0	79.5	80.9	82.4	84.8	86.6	88.4	89.7	90.4	90.7	90.8	90.9	91.1	91.1	91.2	91.7
GE 600	78.0	79.5	81.0	82.6	85.2	87.2	89.1	90.4	91.2	91.6	91.8	92.0	92.3	92.3	92.4	92.9
GE 500	78.0	79.5	81.0	82.7	85.4	87.5	89.5	91.1	91.9	92.3	92.8	92.9	93.2	93.3	93.4	94.0
GE 400	78.0	79.5	81.0	82.8	85.5	87.7	89.8	91.6	92.9	93.4	94.0	94.1	94.4	94.6	94.9	95.6
GE 300	78.0	79.5	81.0	82.8	85.5	87.7	89.9	91.8	93.2	94.1	94.8	95.0	95.5	95.7	96.1	96.9
GE 200	78.0	79.5	81.0	82.8	85.5	87.7	89.9	91.8	93.4	94.4	95.2	95.6	96.2	96.7	97.1	98.3
GE 100	78.0	79.5	81.0	82.8	85.5	87.7	89.9	91.8	93.4	94.4	95.2	95.7	96.4	96.9	97.6	99.2
GE 000	78.0	79.5	81.0	82.8	85.5	87.7	89.9	91.3	93.4	94.4	95.2	95.7	96.5	97.1	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1435

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.1	39.1	39.4	39.7	40.1	40.1	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
GE 20000	44.2	44.4	44.7	45.0	45.3	45.4	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 18000	44.4	44.6	44.8	45.2	45.5	45.6	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 16000	44.4	44.6	44.8	45.2	45.5	45.6	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 14000	45.5	45.7	46.0	46.3	46.6	46.7	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 12000	47.9	48.2	48.5	48.8	49.1	49.2	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 10000	51.4	51.7	52.0	52.4	52.7	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 9000	52.1	52.4	52.7	53.1	53.4	53.5	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 8000	55.9	56.5	56.8	57.2	57.5	57.5	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 7000	57.4	58.1	58.4	58.8	59.2	59.3	59.6	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0
GE 6000	58.2	58.8	59.2	59.6	60.0	60.1	60.4	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9
GE 5000	60.3	60.9	61.4	61.8	62.2	62.3	62.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 4500	62.0	62.7	63.3	63.8	64.2	64.3	64.6	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1
GE 4000	64.5	65.2	66.0	66.6	67.1	67.2	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1
GE 3500	67.3	68.2	69.0	69.6	70.2	70.3	70.6	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1
GE 3000	70.3	71.3	72.3	73.0	73.8	74.0	74.6	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2
GE 2500	72.1	73.3	74.4	75.3	76.1	76.3	76.9	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.6
GE 2000	74.9	76.1	77.5	78.5	79.5	79.9	80.7	81.2	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4
GE 1800	75.4	76.7	78.2	79.2	80.3	80.9	81.6	82.2	82.2	82.2	82.3	82.3	82.3	82.4	82.4	82.5
GE 1500	76.2	77.5	79.1	80.2	81.9	82.6	83.5	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.4
GE 1200	77.5	79.1	80.9	82.2	84.6	85.5	86.7	87.5	87.6	87.8	88.0	88.0	88.0	88.0	88.0	88.1
GE 1000	78.2	79.8	81.7	83.2	85.7	86.7	88.0	88.7	89.0	89.2	89.5	89.5	89.5	89.6	89.6	89.6
GE 900	78.3	79.9	81.9	83.5	86.2	87.4	88.7	89.8	90.0	90.3	90.6	90.6	90.7	90.8	90.8	90.8
GE 800	78.4	80.1	82.2	83.8	86.5	87.8	89.1	90.4	90.5	90.9	91.3	91.3	91.5	91.5	91.5	91.6
GE 700	78.4	80.2	82.3	84.0	86.8	88.2	89.8	91.4	91.6	91.9	92.4	92.4	92.6	92.7	92.7	92.8
GE 600	78.5	80.3	82.6	84.3	87.1	88.7	90.4	92.1	92.6	93.0	93.5	93.6	93.9	94.0	94.0	94.0
GE 500	78.5	80.3	82.6	84.3	87.2	88.9	90.8	92.8	93.3	93.7	94.3	94.5	95.1	95.3	95.3	95.3
GE 400	78.5	80.3	82.6	84.4	87.4	89.4	91.3	93.6	94.3	94.8	95.6	95.9	96.5	96.7	96.9	97.0
GE 300	78.5	80.3	82.6	84.4	87.4	89.4	91.5	93.8	94.5	95.3	96.0	96.3	97.2	97.3	97.5	97.8
GE 200	78.5	80.3	82.6	84.4	87.5	89.5	91.6	94.0	94.8	95.7	96.4	96.7	97.7	97.9	98.5	98.8
GE 100	78.5	80.3	82.6	84.4	87.5	89.5	91.6	94.0	94.8	95.7	96.5	96.8	98.0	98.3	99.1	99.8
GE 000	78.5	80.3	82.6	84.4	87.5	89.5	91.6	94.0	94.8	95.7	96.5	96.8	98.0	98.3	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 1795

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.5	37.6	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 20000	44.5	44.7	45.1	45.2	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.4	45.4
GE 18000	45.0	45.2	45.6	45.7	45.7	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.9	45.9
GE 16000	45.1	45.3	45.7	45.8	45.8	45.8	45.8	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 14000	45.9	46.1	46.5	46.6	46.6	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.8	46.8
GE 12000	48.5	48.7	49.1	49.2	49.2	49.2	49.2	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 10000	51.6	51.7	52.1	52.3	52.3	52.3	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.6
GE 9000	52.7	52.8	53.2	53.4	53.4	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.7
GE 8000	56.0	56.3	56.8	57.0	57.0	57.0	57.0	57.2	57.3	57.3	57.3	57.4	57.4	57.4	57.5	57.5
GE 7000	58.0	58.5	59.0	59.1	59.1	59.2	59.2	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.7	59.7
GE 6000	58.6	59.0	59.5	59.7	59.7	59.8	59.8	60.0	60.0	60.0	60.1	60.2	60.3	60.3	60.3	60.3
GE 5000	60.4	60.8	61.4	61.6	61.6	61.7	61.7	61.9	62.0	62.0	62.0	62.2	62.2	62.2	62.3	62.3
GE 4500	62.8	63.3	63.8	64.0	64.2	64.2	64.2	64.4	64.5	64.5	64.5	64.7	64.7	64.7	64.8	64.8
GE 4000	66.9	67.4	68.1	68.3	68.5	68.6	68.7	69.0	69.0	69.0	69.1	69.2	69.2	69.2	69.3	69.3
GE 3500	70.2	70.7	71.3	71.6	71.9	72.0	72.0	72.3	72.4	72.4	72.4	72.5	72.5	72.6	72.6	72.6
GE 3000	72.6	73.1	73.8	74.1	74.4	74.5	74.7	75.1	75.1	75.2	75.3	75.4	75.4	75.4	75.5	75.5
GE 2500	75.9	76.4	77.2	77.5	77.8	77.9	78.3	78.6	78.7	78.7	78.8	78.9	78.9	78.9	79.0	79.0
GE 2000	77.5	78.1	79.0	79.5	79.9	80.0	80.5	80.9	81.0	81.2	81.2	81.3	81.4	81.4	81.4	81.4
GE 1800	78.2	79.0	79.9	80.5	80.9	81.0	81.5	81.9	82.0	82.2	82.2	82.3	82.4	82.4	82.4	82.4
GE 1500	79.0	79.9	81.0	81.7	82.3	82.5	83.0	83.4	83.6	83.9	84.0	84.1	84.2	84.2	84.2	84.2
GE 1200	79.7	80.9	82.3	83.2	84.3	84.7	85.7	86.3	86.5	86.8	87.0	87.1	87.1	87.1	87.2	87.2
GE 1000	80.3	81.7	83.4	84.5	86.0	86.4	87.6	88.4	88.6	89.0	89.2	89.4	89.4	89.4	89.5	89.5
GE 900	80.5	81.9	83.7	85.1	86.7	87.2	88.6	89.3	89.6	90.0	90.2	90.4	90.4	90.4	90.5	90.5
GE 800	80.7	82.1	83.9	85.5	87.3	88.0	89.5	90.4	90.8	91.2	91.5	91.7	91.8	91.8	91.9	91.9
GE 700	80.9	82.4	84.3	86.0	88.0	88.8	90.3	91.2	91.8	92.3	92.8	92.9	93.0	93.0	93.1	93.1
GE 600	81.0	82.5	84.6	86.3	88.7	89.5	91.1	92.3	92.9	93.4	93.9	94.1	94.4	94.4	94.5	94.5
GE 500	81.0	82.5	84.6	86.4	89.0	89.8	91.5	92.8	93.4	93.9	94.5	94.9	95.2	95.3	95.5	95.5
GE 400	81.0	82.5	84.6	86.5	89.1	90.2	92.4	94.0	94.8	95.4	96.0	96.3	96.7	96.8	97.0	97.0
GE 300	81.0	82.5	84.6	86.6	89.2	90.5	92.7	94.4	95.3	95.9	96.5	97.0	97.4	97.6	97.9	98.1
GE 200	81.0	82.5	84.6	86.6	89.2	90.5	92.7	94.5	95.4	96.1	96.9	97.4	98.0	98.2	98.9	99.1
GE 100	81.0	82.5	84.6	86.6	89.2	90.5	92.7	94.5	95.4	96.1	96.9	97.5	98.1	98.3	99.2	99.8
GE 000	81.0	82.5	84.6	86.6	89.2	90.5	92.7	94.5	95.4	96.1	96.9	97.5	98.1	98.3	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1794

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.7	38.7	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.9	38.9
GE 20000	45.1	45.2	45.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 18000	45.3	45.4	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 16000	45.5	45.6	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.9	45.9
GE 14000	46.6	46.7	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 12000	48.3	48.4	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 10000	52.1	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5
GE 9000	52.8	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 8000	56.3	56.4	56.6	56.8	56.9	56.9	56.9	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 7000	57.6	57.7	58.0	58.2	58.3	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6
GE 6000	58.9	59.0	59.2	59.5	59.5	59.5	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.9	59.9
GE 5000	61.6	61.7	62.0	62.2	62.3	62.3	62.4	62.5	62.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7
GE 4500	64.4	64.5	64.8	65.1	65.1	65.1	65.2	65.3	65.3	65.4	65.5	65.5	65.5	65.5	65.6	65.6
GE 4000	68.4	68.5	68.9	69.3	69.4	69.4	69.6	69.6	69.7	69.8	69.9	69.9	69.9	69.9	70.0	70.0
GE 3500	71.2	71.5	72.0	72.4	72.5	72.6	72.8	72.9	73.0	73.1	73.2	73.3	73.3	73.3	73.4	73.4
GE 3000	74.3	74.6	75.1	75.5	75.8	76.0	76.3	76.4	76.5	76.6	76.8	76.8	76.9	76.9	76.9	76.9
GE 2500	76.4	76.7	77.3	77.8	78.2	78.3	78.6	78.8	78.9	79.0	79.1	79.2	79.2	79.2	79.3	79.3
GE 2000	78.7	79.0	79.6	80.3	80.9	81.2	81.7	82.0	82.1	82.3	82.4	82.5	82.6	82.6	82.6	82.6
GE 1800	79.1	79.4	80.1	80.8	81.4	81.8	82.2	82.6	82.7	82.9	83.0	83.1	83.2	83.2	83.2	83.2
GE 1500	80.1	80.5	81.3	82.2	82.8	83.3	83.8	84.3	84.5	84.6	84.7	84.9	84.9	84.9	85.0	85.0
GE 1200	80.8	81.4	82.4	83.5	84.7	85.4	85.9	86.4	86.7	86.9	87.1	87.2	87.3	87.4	87.5	87.5
GE 1000	81.1	81.8	82.9	84.1	85.5	86.3	87.0	87.9	88.2	88.5	88.7	88.9	89.1	89.1	89.2	89.2
GE 900	81.3	81.9	83.1	84.4	85.9	86.7	87.5	88.7	89.0	89.5	89.7	89.9	90.1	90.2	90.2	90.2
GE 800	81.5	82.2	83.5	84.9	86.6	87.4	88.3	89.6	90.0	90.7	91.0	91.2	91.4	91.4	91.5	91.5
GE 700	81.5	82.3	83.7	85.3	87.2	88.2	89.3	90.9	91.4	92.0	92.4	92.6	93.0	93.0	93.1	93.1
GE 600	81.5	82.5	84.1	85.7	87.8	89.0	90.0	91.7	92.4	93.1	93.5	93.7	94.0	94.2	94.3	94.3
GE 500	81.5	82.5	84.1	85.9	88.4	89.8	91.0	92.8	93.6	94.3	94.9	95.2	95.6	95.8	95.9	95.9
GE 400	81.5	82.5	84.1	85.9	88.4	90.2	91.5	93.6	94.5	95.3	96.1	96.3	96.8	97.1	97.3	97.3
GE 300	81.5	82.5	84.1	85.9	88.5	90.3	91.8	94.4	95.3	96.2	97.0	97.2	98.0	98.2	98.4	98.5
GE 200	81.5	82.5	84.1	85.9	88.5	90.3	91.9	94.5	95.5	96.5	97.3	97.6	98.4	98.7	99.2	99.5
GE 100	81.5	82.5	84.1	85.9	88.5	90.3	91.9	94.5	95.5	96.5	97.3	97.6	98.5	98.8	99.3	99.7
GE 000	81.5	82.5	84.1	85.9	88.5	90.3	91.9	94.5	95.5	96.5	97.3	97.6	98.5	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1777



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.7	42.7	42.8	42.8	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 20000	47.8	47.8	47.8	47.8	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 18000	47.8	47.8	47.9	47.9	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 16000	47.8	47.8	47.9	47.9	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 14000	48.1	48.1	48.1	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 12000	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 10000	52.5	52.5	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 9000	53.7	53.8	53.9	54.0	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 8000	56.0	56.2	56.2	56.4	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 7000	57.0	57.2	57.3	57.5	57.5	57.5	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8
GE 6000	57.8	58.0	58.1	58.3	58.3	58.3	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6
GE 5000	61.5	61.7	61.8	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3
GE 4500	63.9	64.1	64.3	64.5	64.6	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 4000	68.0	68.4	68.7	69.0	69.1	69.1	69.2	69.3	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5
GE 3500	70.8	71.1	71.4	71.8	71.8	71.8	72.0	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 3000	73.6	73.9	74.4	74.7	74.8	74.8	75.0	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3
GE 2500	75.7	76.1	76.6	77.1	77.2	77.2	77.5	77.6	77.7	77.7	77.8	77.8	77.9	77.9	77.9	77.9
GE 2000	78.0	78.5	79.1	79.8	80.1	80.1	80.5	81.0	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.2
GE 1800	78.4	78.9	79.6	80.4	80.7	80.7	81.1	81.6	81.7	81.8	81.8	81.8	81.9	81.9	81.9	81.9
GE 1500	79.5	80.1	81.0	82.3	82.7	82.9	83.5	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3
GE 1200	80.6	81.3	82.5	84.7	85.3	85.5	86.4	87.1	87.3	87.3	87.4	87.4	87.5	87.5	87.6	87.6
GE 1000	81.0	81.9	83.2	85.6	86.4	86.6	87.6	88.6	88.9	89.0	89.0	89.1	89.2	89.2	89.2	89.2
GE 900	81.2	82.0	83.5	86.0	87.0	87.4	88.5	89.7	90.1	90.2	90.3	90.4	90.4	90.4	90.5	90.5
GE 800	81.6	82.4	84.0	86.5	87.5	88.0	89.3	90.6	91.1	91.3	91.4	91.5	91.5	91.5	91.6	91.6
GE 700	81.6	82.7	84.5	87.1	88.1	88.8	90.2	91.7	92.3	92.4	92.5	92.6	92.7	92.7	92.7	92.7
GE 600	81.9	83.0	84.8	87.4	88.6	89.4	90.9	92.5	93.3	93.5	93.6	93.7	93.8	93.8	93.9	93.9
GE 500	81.9	83.1	84.9	87.6	89.2	90.0	91.6	93.5	94.3	94.5	94.7	94.8	95.0	95.0	95.0	95.1
GE 400	82.0	83.2	85.1	87.8	89.5	90.5	92.3	94.3	95.3	95.8	96.3	96.5	96.7	96.8	96.9	97.0
GE 300	82.0	83.2	85.1	87.8	89.5	90.6	92.5	94.8	95.9	96.4	97.0	97.3	97.6	97.9	98.2	98.3
GE 200	82.0	83.2	85.1	87.8	89.5	90.7	92.6	95.1	96.4	97.0	97.6	97.9	98.3	98.5	99.0	99.2
GE 100	82.0	83.2	85.1	87.8	89.5	90.7	92.6	95.1	96.4	97.0	97.7	98.0	98.5	98.8	99.4	99.8
GE 000	82.0	83.2	85.1	87.8	89.5	90.7	92.6	95.1	96.4	97.0	97.7	98.0	98.5	98.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1743

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.5	41.6	41.8	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 20000	45.1	45.3	45.5	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 18000	45.1	45.3	45.5	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 16000	45.1	45.3	45.5	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 14000	45.5	45.7	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 12000	46.2	46.4	46.6	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 10000	49.2	49.4	49.6	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 9000	50.1	50.3	50.5	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 8000	53.0	53.4	53.6	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 7000	54.2	54.6	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 6000	55.1	55.5	55.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 5000	58.2	58.6	58.8	58.9	59.1	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 4500	61.3	61.7	62.0	62.1	62.3	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 4000	64.7	65.2	65.6	65.7	66.0	66.0	66.0	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3
GE 3500	68.4	68.9	69.4	69.5	69.8	69.8	69.8	70.0	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2
GE 3000	71.2	71.7	72.4	72.7	73.0	73.0	73.0	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4
GE 2500	73.2	73.7	74.4	75.0	75.4	75.4	75.4	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9
GE 2000	75.6	76.3	77.0	77.7	78.3	78.3	78.5	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0
GE 1800	76.0	76.7	77.5	78.2	78.9	78.9	79.1	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 1500	77.4	78.3	79.6	80.6	81.6	81.7	82.0	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 1200	78.1	79.1	80.7	82.1	83.9	84.2	84.7	85.3	85.7	85.7	85.8	85.8	85.9	85.9	85.9	85.9
GE 1000	78.9	80.1	82.0	83.6	85.7	86.1	86.6	87.2	87.6	87.7	87.7	87.7	87.8	87.8	87.8	87.8
GE 900	79.1	80.5	82.4	84.2	86.4	86.9	87.4	88.4	88.8	88.8	88.9	88.9	89.0	89.1	89.1	89.1
GE 800	79.4	81.0	83.0	84.8	87.1	87.5	88.3	89.4	89.9	89.9	90.0	90.0	90.1	90.2	90.2	90.2
GE 700	79.7	81.5	83.7	85.6	88.2	88.8	89.6	90.8	91.3	91.4	91.6	91.6	91.7	91.8	91.8	91.8
GE 600	79.8	81.8	84.2	86.1	88.9	89.6	90.3	91.7	92.3	92.5	92.7	92.7	92.9	93.1	93.1	93.1
GE 500	79.8	81.8	84.5	86.5	89.5	90.3	91.2	93.1	93.8	94.0	94.4	94.4	94.6	94.7	94.9	94.9
GE 400	79.8	81.8	84.5	86.5	89.6	90.3	91.4	93.3	94.2	94.7	95.1	95.1	95.4	95.8	96.0	96.0
GE 300	79.9	82.0	84.6	86.6	89.7	90.5	91.8	93.9	94.7	95.3	95.8	95.8	96.2	96.7	97.0	97.1
GE 200	79.9	82.0	84.6	86.6	89.8	90.6	92.1	94.2	95.3	95.9	96.6	96.6	97.5	97.9	98.4	98.8
GE 100	79.9	82.0	84.6	86.6	89.8	90.6	92.1	94.2	95.3	95.9	96.7	96.7	97.5	98.0	98.6	99.4
GE 000	79.9	82.0	84.6	86.6	89.8	90.6	92.1	94.2	95.3	95.9	96.7	96.7	97.5	98.0	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1542

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LET TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.4	39.4	39.6	39.7	39.8	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
GE 20000	44.4	44.5	44.7	44.8	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 18000	44.6	44.7	44.9	45.0	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 16000	44.6	44.8	45.0	45.1	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.4	45.4
GE 14000	45.4	45.5	45.7	45.8	45.9	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 12000	46.9	47.0	47.2	47.4	47.5	47.5	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 10000	50.2	50.3	50.5	50.7	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.1	51.1
GE 9000	51.1	51.2	51.5	51.6	51.8	51.8	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 8000	54.5	54.8	55.0	55.2	55.4	55.4	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.8
GE 7000	55.8	56.1	56.4	56.6	56.8	56.9	57.0	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2
GE 6000	56.8	57.2	57.5	57.7	57.9	58.0	58.1	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.4
GE 5000	59.5	59.6	60.2	60.4	60.7	60.7	60.8	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2
GE 4500	61.7	62.1	62.5	62.7	63.0	63.1	63.2	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5
GE 4000	65.4	65.8	66.3	66.7	67.0	67.1	67.2	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.7	67.7
GE 3500	68.1	68.6	69.1	69.5	69.8	69.9	70.1	70.3	70.4	70.4	70.5	70.5	70.5	70.5	70.6	70.6
GE 3000	71.0	71.6	72.2	72.6	73.1	73.2	73.5	73.8	73.9	73.9	74.0	74.0	74.0	74.0	74.1	74.1
GE 2500	73.3	73.9	74.7	75.2	75.7	75.9	76.2	76.5	76.6	76.7	76.7	76.7	76.8	76.8	76.8	76.9
GE 2000	75.7	76.4	77.2	77.9	78.6	78.9	79.4	79.8	80.0	80.1	80.1	80.1	80.2	80.2	80.2	80.3
GE 1800	76.2	77.0	77.9	78.6	79.3	79.7	80.2	80.7	80.8	80.9	81.0	81.0	81.0	81.0	81.1	81.1
GE 1500	77.4	78.3	79.3	80.3	81.3	81.7	82.4	82.9	83.1	83.2	83.3	83.3	83.4	83.4	83.4	83.5
GE 1200	78.4	79.5	80.8	82.1	83.6	84.2	85.1	85.8	86.0	86.2	86.3	86.4	86.4	86.4	86.5	86.5
GE 1000	79.0	80.2	81.7	83.2	85.0	85.7	86.7	87.5	87.8	88.1	88.3	88.3	88.4	88.4	88.4	88.5
GE 900	79.2	80.5	82.1	83.6	85.5	86.3	87.4	88.5	88.8	89.1	89.3	89.3	89.4	89.5	89.5	89.6
GE 800	79.4	80.8	82.5	84.2	86.1	87.0	88.3	89.6	90.0	90.3	90.6	90.6	90.8	90.8	90.8	90.9
GE 700	79.6	81.0	82.9	84.6	86.7	87.8	89.2	90.6	91.1	91.5	91.7	91.9	92.0	92.1	92.1	92.2
GE 600	79.7	81.2	83.1	84.9	87.2	88.4	89.9	91.4	92.1	92.5	92.9	93.0	93.3	93.3	93.4	93.5
GE 500	79.7	81.2	83.2	85.1	87.6	88.9	90.4	92.2	92.9	93.5	93.9	94.1	94.4	94.5	94.7	94.8
GE 400	79.7	81.2	83.2	85.2	87.7	89.2	90.9	92.9	93.8	94.4	95.1	95.3	95.7	95.9	96.1	96.3
GE 300	79.7	81.3	83.3	85.2	87.8	89.3	91.2	93.3	94.3	95.1	95.8	96.0	96.6	96.9	97.2	97.5
GE 200	79.7	81.3	83.3	85.2	87.8	89.4	91.3	93.5	94.6	95.5	96.2	96.6	97.3	97.6	98.2	98.8
GE 100	79.7	81.3	83.3	85.2	87.8	89.4	91.3	93.6	94.7	95.5	96.3	96.7	97.5	97.9	98.6	99.6
GE 000	79.7	81.3	83.3	85.2	87.8	89.4	91.3	93.6	94.7	95.5	96.3	96.7	97.5	97.9	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 11515

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.8	45.5	46.1	46.5	47.1	47.2	47.4	47.5	47.5	47.6	47.6	47.6	47.6	47.7	47.7	47.8
GE 20000	50.3	51.1	51.9	52.5	53.0	53.2	53.4	53.5	53.6	53.6	53.7	53.7	53.7	53.7	53.8	53.8
GE 18000	50.4	51.2	52.0	52.5	53.1	53.3	53.5	53.6	53.7	53.7	53.7	53.8	53.8	53.8	53.9	53.9
GE 16000	50.4	51.2	52.0	52.6	53.1	53.3	53.5	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.9	54.0
GE 14000	51.0	51.8	52.6	53.1	53.7	53.9	54.1	54.2	54.3	54.3	54.3	54.4	54.4	54.4	54.5	54.5
GE 12000	52.5	53.3	54.2	54.7	55.3	55.5	55.7	55.9	55.9	56.0	56.0	56.0	56.1	56.1	56.1	56.2
GE 10000	55.2	56.1	57.0	57.6	58.3	58.5	58.7	58.9	58.9	59.0	59.0	59.0	59.0	59.1	59.1	59.2
GE 9000	56.1	57.0	58.0	58.6	59.3	59.5	59.7	59.9	59.9	60.0	60.0	60.0	60.1	60.1	60.1	60.2
GE 8000	59.1	60.2	61.2	61.9	62.6	62.9	63.1	63.3	63.4	63.4	63.4	63.5	63.5	63.5	63.6	63.7
GE 7000	60.5	61.6	62.7	63.5	64.2	64.5	64.7	64.9	65.0	65.0	65.1	65.1	65.1	65.1	65.2	65.3
GE 6000	61.7	62.8	63.9	64.7	65.4	65.7	66.0	66.2	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.5
GE 5000	64.0	65.2	66.4	67.2	68.0	68.3	68.6	68.8	68.8	68.9	68.9	69.0	69.0	69.0	69.1	69.2
GE 4500	65.7	67.0	68.2	69.0	69.9	70.2	70.5	70.7	70.7	70.8	70.8	70.9	70.9	70.9	71.0	71.1
GE 4000	68.6	69.9	71.2	72.2	73.1	73.4	73.7	73.9	74.0	74.1	74.1	74.1	74.2	74.2	74.3	74.4
GE 3500	70.9	72.2	73.6	74.6	75.6	75.9	76.3	76.5	76.6	76.7	76.7	76.7	76.8	76.8	76.8	76.9
GE 3000	73.3	74.7	76.2	77.2	78.3	78.7	79.1	79.3	79.4	79.5	79.6	79.6	79.6	79.6	79.7	79.8
GE 2500	75.2	76.7	78.3	79.5	80.6	81.0	81.4	81.7	81.8	81.9	82.0	82.0	82.0	82.0	82.1	82.2
GE 2000	77.1	78.8	80.5	81.8	83.1	83.6	84.1	84.5	84.6	84.7	84.7	84.7	84.8	84.8	84.9	85.0
GE 1800	77.6	79.3	81.1	82.4	83.7	84.3	84.8	85.1	85.2	85.3	85.4	85.4	85.5	85.5	85.5	85.6
GE 1500	78.9	80.7	82.7	84.2	85.7	86.3	86.9	87.3	87.5	87.6	87.6	87.6	87.7	87.7	87.8	87.9
GE 1200	80.2	82.1	84.4	86.2	88.0	88.8	89.5	90.0	90.2	90.3	90.4	90.4	90.5	90.5	90.6	90.7
GE 1000	80.7	82.7	85.2	87.2	89.2	90.1	90.9	91.5	91.7	91.9	92.0	92.0	92.0	92.1	92.1	92.2
GE 900	80.9	83.0	85.5	87.6	89.8	90.7	91.6	92.3	92.5	92.6	92.7	92.8	92.8	92.9	92.9	93.0
GE 800	81.0	83.2	85.9	88.1	90.4	91.5	92.4	93.2	93.4	93.6	93.7	93.8	93.8	93.9	93.9	94.0
GE 700	81.2	83.4	86.1	88.5	91.0	92.1	93.2	94.0	94.3	94.5	94.7	94.7	94.8	94.8	94.9	95.0
GE 600	81.2	83.5	86.3	88.7	91.4	92.7	93.8	94.8	95.1	95.3	95.5	95.6	95.7	95.7	95.8	95.9
GE 500	81.2	83.5	86.4	88.9	91.8	93.1	94.4	95.5	95.8	96.1	96.3	96.4	96.5	96.6	96.7	96.8
GE 400	81.3	83.6	86.4	89.0	92.0	93.4	94.9	96.1	96.6	96.9	97.2	97.3	97.4	97.5	97.6	97.8
GE 300	81.3	83.6	86.4	89.1	92.1	93.6	95.2	96.5	97.1	97.4	97.8	97.9	98.2	98.3	98.4	98.6
GE 200	81.3	83.6	86.4	89.1	92.1	93.6	95.2	96.7	97.3	97.7	98.1	98.3	98.6	98.7	99.0	99.3
GE 100	81.3	83.6	86.4	89.1	92.1	93.6	95.2	96.7	97.3	97.8	98.2	98.4	98.7	98.9	99.2	99.8
GE 000	81.3	83.5	86.4	89.1	92.1	93.6	95.2	96.7	97.3	97.8	98.2	98.4	98.7	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 139657

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	23.3	21.6	13.3	38.8	3.0	55.1	2.7	742
03-05	24.0	19.9	11.9	40.2	3.9	56.1	2.4	738
06-08	13.5	25.2	19.1	38.0	4.1	61.2	3.0	1450
09-11	10.1	28.3	22.3	36.6	2.7	61.6	3.7	1806
12-14	7.3	29.8	25.6	33.9	3.3	62.8	3.4	1806
15-17	7.8	31.2	25.5	32.0	3.5	61.0	2.9	1809
18-20	17.5	27.9	18.1	33.6	3.0	54.7	2.0	1809
21-23	23.7	22.6	14.1	36.0	3.6	53.6	2.5	1631
ALL HOURS	14.5	26.8	19.9	35.5	3.4	58.7	2.9	11791

MONTH: FEB HOURS: ALL

00-02	23.3	19.5	9.4	45.0	2.8	57.2	3.4	614
03-05	20.1	18.4	11.9	47.1	2.4	61.5	2.9	613
06-08	11.3	26.7	19.5	38.9	3.5	61.9	3.8	1331
09-11	11.2	26.4	23.3	36.4	2.7	62.3	2.7	1689
12-14	10.7	25.6	23.6	37.7	2.4	63.7	2.6	1689
15-17	10.9	26.8	22.9	37.1	2.4	62.3	2.0	1689
18-20	18.0	27.9	15.9	36.6	1.6	54.1	2.2	1691
21-23	25.4	21.2	12.5	38.9	2.0	53.4	1.9	1494
ALL HOURS	15.3	25.1	18.7	38.5	2.4	59.6	2.6	10810

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	24.5	18.2	11.0	41.7	4.6	57.3	3.8	653
03-05	22.1	19.5	10.3	44.9	3.2	58.4	5.1	651
06-08	9.2	27.0	18.5	41.7	3.6	63.8	2.9	1463
09-11	7.0	28.5	22.7	38.9	1.2	61.5	2.7	1866
12-14	7.4	24.9	25.3	40.6	1.9	67.8	1.1	1859
15-17	8.9	25.8	24.0	40.1	1.1	65.2	2.2	1857
18-20	13.0	28.3	18.2	38.8	1.6	58.6	2.5	1857
21-23	23.5	20.7	15.9	37.4	2.5	55.8	2.8	1632
ALL HOURS	12.7	25.2	19.8	40.1	2.2	62.2	2.6	11832

MONTH: APR HOURS: ALL

00-02	22.9	16.3	14.2	39.3	1.4	55.0	2.2	633
03-05	22.8	20.9	12.8	40.9	2.5	56.3	1.4	631
06-08	11.1	24.4	21.6	41.2	1.7	64.5	2.3	1511
09-11	8.2	27.3	24.6	39.3	.5	64.4	.7	1800
12-14	5.9	27.3	28.3	38.2	.2	66.7	.6	1800
15-17	6.1	28.2	27.0	38.3	.4	65.7	.5	1800
18-20	11.3	29.1	19.9	39.1	.6	59.6	.4	1800
21-23	22.9	21.8	15.1	39.4	.8	55.4	1.4	1492
ALL HOURS	12.2	25.7	22.0	39.3	.8	62.1	1.0	11467

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	18.8	18.2	14.4	46.6	2.0	62.9	2.5	653
03-05	12.7	20.8	16.5	47.9	2.1	66.6	3.1	655
06-08	8.0	24.7	24.1	42.2	1.0	67.3	3.1	1857
09-11	5.3	28.7	27.7	38.3	.1	66.1	1.0	1860
12-14	3.9	26.9	31.9	37.3		69.2	.7	1860
15-17	4.2	27.3	30.2	38.2	.1	68.4	.6	1860
18-20	5.7	27.4	25.2	41.6	.2	66.9	.5	1860
21-23	13.7	23.8	19.0	43.1	.5	62.5	1.2	1245
ALL HOURS	7.4	25.8	25.5	40.7	.5	66.8	1.4	11850

MONTH: JUN HOURS: ALL

00-02	20.9	20.0	15.2	42.5	1.4	59.1	5.4	631
03-05	10.0	23.3	16.0	49.1	1.6	66.7	10.1	631
06-08	8.6	28.2	20.8	40.3	2.1	63.2	5.2	1799
09-11	5.8	33.2	27.2	33.8		61.0	1.4	1800
12-14	1.8	32.4	32.9	32.9		65.8	.9	1800
15-17	1.9	33.4	32.6	32.1		64.7	1.3	1800
18-20	5.2	32.8	27.3	34.5	.2	62.0	1.3	1800
21-23	14.1	27.5	23.6	34.2	.6	58.4	2.2	1209
ALL HOURS	6.9	30.4	26.3	35.9	.6	62.8	2.7	11470

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL HOURS: ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES		GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				OVERCAST	TOTAL OBSCURATION			
00-02	20.9	21.2	22.1	33.6	2.1	57.9	7.5	655
03-05	17.4	21.8	20.0	38.9	2.0	60.8	6.3	651
06-08	9.7	28.7	27.2	32.8	1.6	61.5	5.2	1859
09-11	5.0	36.0	30.5	28.5		59.0	1.8	1860
12-14	1.8	37.9	33.6	26.7		60.3	.9	1860
15-17	2.0	38.5	33.3	26.1	.1	59.5	.9	1860
18-20	5.3	37.1	27.8	29.7	.1	57.6	1.1	1860
21-23	13.9	33.4	23.6	28.9	.2	52.7	2.6	1258
ALL HOURS	7.3	33.9	28.7	29.6	.5	58.8	2.6	11863

MONTH: AUG HOURS: ALL

00-02	27.2	23.5	15.1	33.3	.9	49.3	7.1	688
03-05	20.4	27.6	15.1	33.5	3.2	51.9	7.9	680
06-08	8.9	30.1	24.6	33.4	3.0	61.0	7.5	1857
09-11	7.1	36.2	28.1	28.5		56.7	2.9	1860
12-14	2.2	38.7	32.1	27.0	.1	59.1	1.7	1860
15-17	3.8	38.6	30.2	27.3	.1	57.6	1.8	1860
18-20	8.4	36.0	25.8	29.9		55.7	3.2	1858
21-23	21.2	27.5	20.3	31.0	.1	51.3	4.4	1279
ALL HOURS	9.7	33.8	25.8	29.9	.7	56.4	4.0	11942

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP HOURS:ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES		GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				OVERCAST	TOTAL OBSCURATION			
00-02	24.3	21.4	14.1	38.7	1.6	54.4	4.4	688
03-05	23.1	17.9	14.5	42.7	1.9	59.1	5.7	689
06-08	10.1	27.2	20.7	36.6	5.4	62.7	7.1	1800
09-11	6.9	34.9	24.5	33.1	.5	58.1	1.4	1800
12-14	4.7	35.1	29.9	30.3		60.3	.3	1800
15-17	6.1	35.8	26.0	32.0	.1	58.1	.4	1798
18-20	13.5	32.2	22.4	31.7	.2	54.3	.9	1797
21-23	24.3	24.5	15.6	34.8	.8	51.2	1.9	1238
ALL HOURS	11.8	30.5	22.5	33.9	1.3	57.7	2.4	11610

MONTH: OCT HOURS: ALL

00-02	28.0	25.5	13.7	32.1	.8	46.5	2.6	651
03-05	28.3	21.4	12.4	37.0	.9	50.4	2.5	651
06-08	11.6	28.2	22.5	34.4	3.3	60.2	4.9	1810
09-11	9.1	31.8	24.4	34.1	.5	59.1	1.6	1860
12-14	9.7	30.0	30.1	30.0	.2	60.3	.6	1860
15-17	9.0	33.2	26.2	31.2	.3	57.7	.9	1860
18-20	19.2	28.8	19.1	32.6	.3	52.0	1.2	1860
21-23	29.7	22.5	13.9	33.7	.2	47.8	1.9	1289
ALL HOURS	15.5	28.8	22.1	32.8	.8	55.7	1.9	11841

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV HOURS: ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES		GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				OVERCAST	TOTAL OBSCURATION			
00-02	17.2	19.2	17.4	45.4	.8	63.6	2.1	720
03-05	20.2	18.5	15.7	44.4	1.1	61.3	1.7	718
06-08	8.7	25.9	20.9	42.0	2.4	65.4	2.5	1442
09-11	5.3	26.0	25.1	42.3	1.3	68.8	2.6	1799
12-14	4.9	26.8	26.8	40.9	.6	68.3	1.3	1800
15-17	5.1	27.4	25.8	41.0	.8	67.6	.9	1800
18-20	14.8	22.2	19.8	42.9	.2	63.0	1.1	1800
21-23	17.2	21.9	16.9	43.8	.2	61.0	1.7	1588
ALL HOURS	10.4	24.3	22.0	42.5	.9	65.4	1.7	11667

MONTH: DEC HOURS: ALL

00-02	17.2	17.2	17.8	44.2	3.6	65.6	2.9	715
03-05	18.1	15.0	16.9	47.1	2.9	66.9	2.8	714
06-08	7.7	24.0	21.0	43.9	3.4	68.3	3.4	1435
09-11	5.4	26.1	25.2	40.4	2.8	68.5	3.4	1795
12-14	5.7	24.9	25.8	40.9	2.7	69.4	2.7	1794
15-17	6.4	27.0	22.6	41.6	2.4	66.6	3.2	1777
18-20	14.2	23.8	16.8	42.4	2.8	62.0	2.4	1743
21-23	15.8	20.9	16.1	44.1	3.0	63.2	2.3	1542
ALL HOURS	10.1	23.5	20.9	42.6	2.9	66.4	2.9	11515

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: ALL HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	22.8	20.2	14.9	40.1	2.1	57.0	3.9	8043
03-05	20.0	20.4	14.5	42.8	2.3	59.6	4.3	8022
06-08	9.8	26.8	21.9	38.5	2.9	63.3	4.4	19614
09-11	7.2	30.3	25.5	35.9	1.1	62.5	2.2	21789
12-14	5.5	30.1	28.9	34.6	.9	64.5	1.4	21788
15-17	6.0	31.2	27.2	34.7	.9	62.9	1.5	21770
18-20	12.1	29.5	21.4	36.1	.9	58.4	1.6	21735
21-23	20.6	23.7	17.0	37.4	1.3	55.7	2.2	16897
ALL HOURS	11.1	27.8	22.9	36.7	1.4	61.0	2.4	139658



PPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	EEEEEEEEEE
PPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	EEEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPP	AA AA	RRRRRRRR	TT	EEEEEE
PPPPPPP	AAAAAAA	RRRRRRRR	TT	EEEEEE
PP	AA^AAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEEE

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PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS:  $F = 1.8C + 32$

$C = K - 273.0$  (BEFORE 5 APRIL 77)

$C = K - 273.2$  (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).  
CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED.  
THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4104-8908  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 100					.1	.1	.1	.1	.1				.0
GE 95					.1	1.4	2.8	2.1	.5				.6
GE 90				.3	1.5	9.6	13.6	9.4	2.8				3.2
GE 85			.1	1.0	6.4	23.5	40.3	28.8	8.8	.9			9.3
GE 80			.3	2.7	16.3	45.2	71.0	57.5	22.0	3.8	.1		18.6
GE 75			1.0	7.3	31.3	66.3	89.5	82.4	43.1	9.8	.3		28.1
GE 70		.1	2.2	14.2	50.3	82.8	97.4	93.9	65.8	22.6	1.8	.1	36.5
GE 65	.1	.4	4.8	26.1	69.7	91.8	99.5	98.0	84.2	41.3	6.9	.3	44.2
GE 60	.3	1.0	9.3	41.4	84.5	97.4	99.9	99.8	94.6	61.8	15.7	1.6	51.3
GE 55	2.0	3.2	16.5	58.6	92.4	99.6	100.0	100.0	99.1	79.5	29.5	4.9	57.2
GE 50	4.8	7.2	29.6	75.1	97.5	100.0			100.0	93.0	48.5	10.1	64.4
GE 45	9.5	15.1	47.6	91.7	99.5					98.5	68.2	18.7	71.3
GE 40	22.1	31.4	68.0	98.0	100.0					99.5	85.0	35.5	78.7
GE 35	42.9	53.8	85.3	99.8						100.0	95.3	58.6	86.6
GE 30	51.1	63.1	90.5	99.8							97.8	66.7	89.3
GE 25	64.5	74.6	94.6	99.9							99.3	78.1	92.7
GE 20	84.9	95.3									99.8	90.1	96.3
GE 15	97.1	98.5	100.0								99.9	96.4	98.5
GE 10	99.2	99.6									100.0	99.5	99.6
GE 5	99.3	99.9										100.0	99.9
GE 0	100.0	100.0											100.0

MEAN	32.5	35.3	44.8	57.8	69.5	77.9	82.6	80.6	73.0	62.5	49.5	36.6	58.9
SD	9.75	9.60	10.57	10.56	9.87	8.30	6.44	6.95	8.40	9.18	9.43	9.80	19.91
TOTAL OBS	1472	1355	1488	1470	1519	1470	1519	1519	1440	1498	1439	1464	17643

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OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4104-8908  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 85							.1						.1
GE 80							.1						.1
GE 75							.5	.4	.1				.1
GE 70						2.4	8.6	8.0	1.7				.8
GE 65					1.0	13.5	35.3	25.7	8.0	.3			.1
GE 60				.4	6.5	34.0	62.3	48.8	19.4	2.4	.4		14.8
GE 55			.1	2.5	18.8	58.6	81.7	72.2	36.4	8.3	1.3	.1	33.0
GE 50	.1	.1	.7	7.1	38.8	82.0	95.3	87.0	55.4	18.9	4.0	.3	33.0
GE 45	.1	.5	2.4	18.2	60.9	93.7	99.5	96.1	73.2	33.4	11.3	1.2	41.4
GE 40	.7	1.4	7.1	38.8	80.0	98.6	100.0	99.2	86.8	51.1	21.4	2.9	49.6
GE 35	3.4	5.0	18.3	61.6	93.4	99.7		99.9	95.6	68.4	37.7	8.0	58.2
GE 33	7.1	9.5	28.1	69.8	95.5	99.9		99.9	98.1	76.5	44.8	12.8	62.4
GE 30	14.9	17.7	45.6	83.1	98.8	100.0		100.0	99.2	87.2	60.5	22.7	69.7
GE 25	27.0	32.1	67.1	95.1	100.0				100.0	96.8	80.5	42.0	74.8
GE 20	42.7	48.7	82.6	98.8						99.5	93.1	59.2	85.7
GE 15	56.7	63.8	91.9	99.7						100.0	98.5	73.0	91.5
GE 10	69.5	76.8	96.8	99.9							99.8	84.0	91.1
GE 5	82.5	86.6	99.0	100.0							100.0	91.3	96.7
GE 0	89.9	93.3	99.5									94.9	98.2
GE -5	94.7	96.7	99.8									98.2	99.1
GE -10	97.6	98.9	99.9									99.7	99.7
GE -15	99.2	99.6	100.0									99.9	99.9
GE -20	99.9	100.0										100.0	100.0
GE -25	100.0												100.0
MEAN	15.9	18.1	27.5	37.2	46.8	56.1	61.1	58.9	50.7	40.3	32.4	20.9	59.1
SD	12.24	11.59	9.00	8.16	8.24	7.37	6.61	7.79	9.52	9.52	9.18	11.26	13.01
TOTAL OBS	1472	1355	1488	1470	1519	1470	1519	1519	1440	1488	1439	1464	17643

E - 2 - 2

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4104-8908  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 90							.1						.0
GE 85						.1	.5	.4					.1
GE 80					.3	3.6	8.7	6.0	1.3				1.7
GE 75				.2	1.6	16.1	33.0	24.6	6.5	.1			7.0
GE 70				.7	8.2	38.5	67.3	52.7	18.6	1.4			15.9
GE 65			.2	3.2	22.3	54.4	91.6	79.8	36.7	6.5	.6		25.9
GE 60			1.0	8.6	44.6	84.8	99.0	95.3	60.6	16.9	2.0	.1	35.0
GE 55	.1	.1	2.4	19.8	66.6	96.5	100.0	99.5	81.4	34.9	6.8	.4	43.0
GE 50	.3	.7	7.1	37.6	86.8	99.9		99.9	95.1	58.0	17.7	2.1	51.1
GE 45	1.6	2.7	16.5	61.9	97.2	100.0		100.0	99.2	79.8	32.2	5.3	58.7
GE 40	5.8	8.9	33.5	85.5	99.7				99.9	94.0	54.1	12.5	66.8
GE 35	17.1	22.7	59.5	96.9	100.0				100.0	99.3	78.2	28.6	75.7
GE 33	23.4	29.7	68.3	98.3						99.7	85.3	36.7	78.9
GE 30	33.5	41.6	79.3	99.3						100.0	92.8	51.1	83.5
GE 25	50.8	62.7	91.4	99.7							98.7	69.5	89.7
GE 20	68.2	76.5	97.3	100.0							99.7	82.5	93.8
GE 15	82.1	88.2	99.3								100.0	91.5	96.8
GE 10	92.4	95.5	99.7									96.9	98.7
GE 5	96.7	98.8	100.0									99.3	99.6
GE 0	99.2	99.8										99.8	99.9
GE -5	99.9	99.9										100.0	100.0
GE -10	100.0	100.0											100.0
.....													
MEAN	24.4	26.9	36.3	47.7	58.4	67.2	72.1	69.9	62.1	51.6	41.1	28.9	49.2
SD	10.27	9.79	8.84	8.16	7.75	7.00	5.42	6.26	7.94	8.08	8.45	9.89	18.47
TOTAL OBS	1472	1355	1488	1470	1519	1470	1519	1519	1440	1488	1439	1464	17643
.....													

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OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4104-8908  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41				89	90	96	95	90	90	88	73	55	96*
42	55	46	60	85	87	90	93	89	89	75	70	55	93
43	44	57	68	73	83	96	89	92	91	81	65	51	96
44	52	52	62	73	93	95	95	99	88	85	67	48	99
45	55	45	86	85	80	95	92	92	91	82	72	49	95
46	55	53	82	77	87	93	96	88	87	85	69	64	96
47	58	50	56	79	87	90	90	97	89	86	62	55	97
48	42	53	71	71	84	92	94	99	91	78	70	59	99
49	55	55	73	78	91	94	97	99	83	86	68	59	99
50	65	47	65	78	84	91	91	89	85	86	81	64	91
51	57	57	65	72	89	90	92	91	86	81	65	60	92
52	50	46	62	78	81	102	95	90	89	74	69	61	102
53	53	56	65	70	91	97	97	97	101	82	69	61	101
54	49	62	66	87	80	90	95	89	92	89	67	54	95
55	43	53	63	77	88	89	97	100	84	84	61	43	100
56	46	46	50	77	89	95	89	91	87	85	70	58	95
57	54	65	69	86	87	95	94	93	93	78	67	61	95
58	44	46	56	77	81	87	93	89	86	82	67	45	93
59	57	46	68	77	91	94	91	94	90	83	72	52	94
60	53	57	58	77	84	90	92	91	90	81	63	55	92
61	46	57	71	70	84	93	92	90	93	79	71	52	93
62	54	48	73	90	92	89	91	87	83	82	61	56	92
63	46	45	69	76	87	93	94	87	83	87	70	50	94
64	52	44	75	81	101	96	96	89	89	76	70	63	101
65	48	51	59	77	90	91	95	91	90	77	60	62	95
66	58	53	64	68	85	96	101	92	92	76	68	62	101
67	60	54	62	71	77	96	89	90	83	81	63	56	96
68	45	43	76	81	74	92	95	93	84	81	68	52	95
69	43	42	61	82	88	93	93	92	91	79	62	59	93
70	44	50	56	80	90	90	92	93	90	76	63	61	93
71	43	50	61	68	81	92	92	87	85	80	69	58	92
72	55	50	60	80	82	79	88	88	84	70	60	50	88
73	61	52	64	85	81	94	92	97	97	76	71	62	97
74	61	58	70	88	88	94	93	91	88	80	76	61	94
75	58	55	59	70	91	94	95	99	79	84	74	61	99

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4104-8908  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	55	67	73	94	84	101	89	90	83	72	60	53	101
77	43	48	83	84	89	83	98	93	89	74	66	47*	98*
78	58	36	58	74	89	87	98	91	90	74	66	51	98
79	55	48	68	75	94	93	95	90	85	85	70	66	95
80	58	50	60	76	89	94	98	95	94	80	63	57	98
81	46	65	78	74	92	94	96	88	89	69	68	45	96
82	53	49	64	81	83	82	97	86	84	78	78	67	97
83	53	55	57	83	79	94	97	94	99	82	67	52	99
84	47	61	52	77	83	95	93	90	84	79	66	70	95
85	41	71	73	85	89	83	88	92	91	77	72	53	92
86	54	43	77	79	87	87	91	87	82	78	66	49	92
87	47	44	70	76	92	93	97	94	83	70	76	54	97
88	54	53	71	72	84	97	99	99	81	79	69	55*	99*
89	55	65	83	71	89	92	94	92					94*
.....													
GREATEST	65	71	86	94	101	102	101	100	101	89	81	70	102
.....													
TOTAL OBS	1472	1355	1488	1470	1519	1470	1519	1519	1440	1488	1439	1464	17643

THE GREATEST VALUE OF 102 OCCURRED ON 06/26/52

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4104-8908  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41				23	30	40	51	42	28	28	20	6	6*
42	-13	-1	26	26	34	48	48	42	29	28	16	-12	-13
43	-5	-18	-1	18	29	49	45	47	36	22	16	-7	-18
44	-1	-6	4	23	30	40	49	42	33	24	16	-9	-9
45	-10	-6	17	26	31	37	45	45	33	21	13	-4	10
46	-7	-11	7	19	30	37	45	46	36	26	18	1	-11
47	5	4	12	21	30	44	50	49	28	17	8	-6	-6
48	-21	-13	-13	20	30	45	51	47	31	20	14	-2	-21
49	9	0	1	28	34	38	53	43	32	30	10	-7	-7
50	5	-8	-10	20	31	41	45	46	26	20	18	-5	-10
51	-4	-4	15	30	32	41	51	45	27	28	9	-12	-12
52	-3	9	8	24	32	48	49	46	38	21	18	5	-3
53	10	9	10	32	31	39	50	46	31	25	22	9	-9
54	-15	-1	18	13	35	45	46	44	40	25	17	12	15
55	2	-5	13	27	34	44	52	45	36	25	17	-8	-8
56	-1	-2	-1	21	29	44	46	46	35	26	12	7	-2
57	-20	9	15	30	35	41	46	45	29	28	13	8	20
58	-7	-9	21	26	32	37	49	51	37	25	17	-8	-9
59	0	-1	8	26	36	47	53	48	34	23	18	4	-1
60	-2	15	8	27	35	43	49	45	39	24	16	-7	-7
61	-22	-18	10	26	31	40	49	46	36	23	20	2	-22
62	-2	-13	5	15	27	47	45	46	30	23	15	-9	-13
63	-15	-13	12	21	28	43	44	38	25	25	19	-16	-16
64	-14	-9	16	8	28	32	45	37	27	24	13	-7	-14
65	-17	-9	8	16	32	34	42	30	27	24	14	1	-17
66	-2	-12	12	24	25	38	43	43	31	20	13	-2	-12
67	2	-20	-13	17	28	34	48	46	32	25	14	-5	-20
68	-20	1	9	21	25	46	45	41	33	22	19	-8	-20
69	-11	-2	5	18	27	42	44	40	33	18	12	-7	-11
70	-17	-5	11	10	32	41	48	46	36	22	15	0	-17
71	-15	-6	15	22	31	36	43	39	30	31	16	7	-15
72	-5	-7	5	22	30	34	49	39	36	16	8	10	-7
73	-4	-5	17	23	33	37	49	47	33	28	14	-2	-5
74	-9	-7	13	27	26	41	44	43	29	19	16	9	-9
75	-4	-13	13	23	35	36	47	43	31	26	22	-9	-13

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OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4104-8908  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	-16	3	14	24	37	46	48	36	32	18	14	4	-16
77	-5	2	18	26	34	45	48	45	36	24	23	-4*	-5*
78	-1	-4	7	29	34	48	48	48	30	19	19	9	-4
79	5	-9	17	28	41	47	50	46	32	26	26	9	-9
80	9	5	7	34	40	43	55	50	34	26	17	-5	-5
81	-10	6	15	32	38	53	55	46	41	25	22	-1	-10
82	-11	8	5	19	36	49	51	36	40	24	20	6	-11
83	-6	-11	21	33	35	45	52	45	35	26	24	6	-11
84	-17	-6	3	30	35	47	54	43	35	23	21	15	-17
85	3	-4	12	30	33	51	51	50	37	24	24	3	-4
86	-3	2	4	30	35	38	48	37	33	26	12	8	-3
87	-7	-2	11	30	35	45	50	44	35	27	14	-1	-7
88	-19	-3	7	27	30	44	45	42	34	18	17	8*	-19*
89	0	2	6	20	35	44	51	39					0*
.....													
LEAST	-22	-20	-13	8	25	32	42	30	25	16	8	-16	-22
.....													
TOTAL OBS	1472	1355	1488	1470	1519	1470	1519	1519	1440	1488	1439	1464	17643
.....													

THE LEAST VALUE OF -22 OCCURRED ON 01/22/61

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4104-8908  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41				51	58	68	72	68	63	54	44	32	56*
42	24	23	39	50	61	68	71	69	63	53	40	25	49
43	23	26	33	42	58	71	72	69	61	51	39	25	48
44	27	25	32	43	63	66	73	72	63	50	39	25	48
45	18	26	45	51	55	66	71	68	64	48	40	23	48
46	24	23	44	45	57	66	71	66	64	54	43	30	49
47	29	25	34	45	56	65	72	72	62	56	37	25	48
48	17	21	34	46	56	64	72	71	63	50	45	30	47
49	31	31	37	49	58	70	75	72	59	56	38	30	51
50	32	24	30	44	57	66	70	69	58	53	43	30	48
51	28	31	38	49	59	66	72	70	62	54	37	30	50
52	29	30	36	50	56	70	75	70	63	49	41	33	50
53	31	32	38	48	59	69	73	71	65	54	43	36	52
54	22	34	37	49	56	67	70	67	61	57	41	31	50
55	26	30	36	50	62	66	77	74	62	53	39	23	50
56	29	29	31	43	54	69	70	70	59	51	42	32	48
57	20	32	40	52	59	71	72	68	64	52	44	36	51
58	26	22	38	49	55	63	72	71	62	50	42	23	48
59	25	24	35	49	62	67	74	74	66	53	41	32	50
60	26	32	30	50	60	68	71	71	63	51	43	23	49
61	18	29	36	45	55	68	72	70	69	54	42	29	49
62	25	21	36	45	57	67	68	69	59	50	37	22	46
63	22	20	35	46	56	66	71	65	57	54	45	20	46
64	25	24	38	45	63	65	71	63	59	48	40	28	47
65	20	25	33	44	60	64	68	68	61	49	37	32	47
66	24	26	36	44	55	68	72	70	59	49	44	28	48
67	30	22	30	44	50	68	73	70	61	51	36	31	47
68	19	22	39	50	55	64	72	69	63	53	38	25	48
69	24	27	33	49	57	66	69	71	62	50	41	26	48
70	14	26	33	46	60	66	71	70	62	52	43	26	47
71	19	29	35	44	55	66	68	67	62	54	37	30	47
72	26	24	32	40	55	62	69	66	60	45	36	30	45
73	28	28	41	49	55	68	71	73	61	52	42	33	50
74	28	26	37	50	55	67	72	71	62	47	43	34	49
75	31	29	35	45	63	67	74	69	60	54	47	29	50

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: +05

PERIOD OF RECORD: 4104-8908  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	21	34	40	54	60	74	71	69	60	49	38	24	49
77	19	28	43	51	61	66	73	72	63	52	44	29*	51*
78	23	21	34	48	60	68	71	72	61	49	40	31	49
79	27	20	40	47	62	69	76	71	62	51	46	34	51
80	30	26	37	52	61	67	76	74	66	52	39	27	51
81	19	35	38	51	63	72	76	71	64	49	43	30	51
82	18	27	36	47	61	65	73	68	62	51	46	37	50
83	27	28	39	50	58	71	76	73	67	54	42	31	52
84	23	34	32	49	57	71	73	73	60	56	42	35	51
85	20	31	40	51	62	64	71	70	65	52	43	28	50
86	28	25	38	52	60	65	70	69	62	52	39	32	50
87	24	26	38	49	61	68	74	69	63	49	41	31	50
88	21	27	38	47	60	67	75	74	61	47	41	27*	49*
89	29	27	36	45	59	68	70	69					51*
.....													
MEAN	24.4	26.9	36.3	47.7	58.4	67.2	72.1	69.9	62.1	51.6	41.1	28.9	49.2
.....													
TOTAL OBS	1472	1355	1488	1470	1519	1470	1519	1519	1440	1488	1439	1464	17643
.....													

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	22.4	12.759	742	50	561	0	0	0	742
03-05	21.3	13.608	738	64	569	0	0	0	738
06-08	19.9	13.470	1449	134	1162	0	0	0	1449
09-11	24.2	11.334	1806	29	1335	0	0	0	1806
12-14	28.4	9.975	1806	0	1177	0	0	0	1806
15-17	28.8	9.884	1809	1	1178	0	0	0	1809
18-20	25.6	10.310	1809	10	1345	0	0	0	1809
21-23	23.3	11.231	1631	40	1231	0	0	0	1631
ALL HOURS	24.8	11.672	11790	328	8558	0	0	0	11790

MONTH: FEB

00-02	23.8	11.285	613	15	455	0	0	0	613
03-05	22.7	11.685	613	25	459	0	0	0	613
06-08	22.7	12.072	1331	58	1013	0	0	0	1331
09-11	28.2	10.492	1689	3	1111	0	0	0	1689
12-14	32.7	10.163	1689	0	820	6	0	0	1689
15-17	33.5	10.165	1689	0	760	8	0	0	1689
18-20	29.9	9.930	1691	0	1031	1	0	0	1691
21-23	27.0	10.239	1494	4	1048	0	0	0	1494
ALL HOURS	28.6	11.277	10809	105	6697	15	0	0	10809

E - 5 - 1 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	31.5	8.421	553	0	356	3	0	0	653
03-05	30.6	8.427	651	0	388	2	0	0	651
06-08	32.2	9.289	1460	0	727	0	0	0	1460
09-11	38.1	9.519	1860	0	494	11	0	0	1860
12-14	42.5	10.327	1859	0	273	62	4	0	1859
15-17	43.0	10.506	1857	0	272	61	4	0	1857
18-20	38.6	9.432	1857	0	457	18	0	0	1857
21-23	35.1	8.886	1632	0	612	6	0	0	1632
ALL HOURS	37.7	10.438	11829	0	3579	163	8	0	11829

MONTH: APR

00-02	39.3	9.011	633	0	145	5	0	0	633
03-05	38.5	8.989	631	0	185	2	0	0	631
06-08	43.6	8.404	1510	0	134	15	0	0	1510
09-11	50.4	9.330	1800	0	30	137	7	0	1800
12-14	54.8	10.607	1800	0	14	318	32	2	1800
15-17	55.0	11.162	1799	0	25	380	38	2	1799
18-20	50.3	9.940	1800	0	60	142	6	0	1800
21-23	45.3	8.898	1492	0	98	30	0	0	1492
ALL HOURS	49.0	11.118	11465	0	691	1029	83	4	11465

E - 5 - 1 - 2

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH	TEMPERATURES	DEG F	TOTAL	
				LE 0	LE 32	GE 65	GE 80	GE 93	HOURS
00-02	50.8	7.575	653	0	8	20	0	0	653
03-05	49.7	8.316	655	0	10	23	0	0	655
06-08	54.7	7.901	1857	0	1	193	1	0	1857
09-11	62.6	8.759	1860	0	0	741	50	0	1860
12-14	67.1	9.912	1860	0	0	1131	220	3	1860
15-17	67.2	10.174	1860	0	0	1113	237	3	1860
18-20	62.1	9.172	1860	0	0	733	51	0	1860
21-23	56.0	8.311	1245	0	12	194	0	0	1245
ALL HOURS	60.6	10.694	11850	0	31	4148	559	6	11850

MONTH: JUN

00-02	59.5	7.003	631	0	0	176	0	0	631
03-05	58.3	7.581	631	0	0	138	0	0	631
06-08	62.8	6.846	1799	0	0	758	13	0	1799
09-11	70.4	7.583	1800	0	0	1394	209	1	1800
12-14	74.8	8.809	1800	0	0	1555	550	32	1800
15-17	74.8	9.051	1800	0	0	1534	576	38	1800
18-20	69.7	8.308	1800	0	0	1343	212	2	1800
21-23	63.7	7.305	1209	0	0	567	14	0	1209
ALL HOURS	68.5	9.752	11470	0	0	7465	1574	73	11470

E - 5 - 1 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	63.5	6.773	655	0	0	323	0	0	655
03-05	62.7	7.920	651	0	0	294	5	0	651
06-08	67.7	6.560	1859	0	0	1331	68	0	1859
09-11	75.9	6.217	1860	0	0	1802	532	5	1860
12-14	80.3	7.033	1860	0	0	1821	1054	58	1860
15-17	80.1	7.459	1860	0	0	1795	1062	51	1860
18-20	74.6	7.058	1860	0	0	1710	470	3	1860
21-23	68.1	6.717	1258	0	0	907	47	0	1258
ALL HOURS	73.5	9.110	11863	0	0	9983	3238	117	11863

MONTH: AUG

00-02	61.9	7.181	688	0	0	271	2	0	688
03-05	61.3	7.855	680	0	0	250	0	0	680
06-08	65.5	7.624	1857	0	0	1052	37	0	1857
09-11	74.0	6.627	1860	0	0	1702	406	2	1860
12-14	78.5	7.250	1860	0	0	1767	877	29	1860
15-17	78.0	7.854	1860	0	0	1736	865	32	1860
18-20	71.9	7.499	1858	0	0	1561	282	1	1858
21-23	66.1	7.319	1279	0	0	788	22	0	1279
ALL HOURS	71.4	9.512	11942	0	0	9127	2491	64	11942

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	56.1	9.474	688	0	0	144	0	0	688
03-05	55.5	10.057	689	0	8	150	0	0	689
06-08	56.9	9.604	1800	0	7	392	6	0	1800
09-11	65.6	7.894	1800	0	0	962	78	1	1800
12-14	70.5	8.343	1800	0	0	1366	255	12	1800
15-17	70.0	8.658	1798	0	0	1339	240	9	1798
18-20	63.2	8.533	1796	0	0	792	50	0	1796
21-23	58.8	8.876	1238	0	0	357	7	0	1238
ALL HOURS	63.4	10.410	11609	0	15	5502	636	22	11609

MONTH: OCT

00-02	44.4	10.163	651	0	85	4	0	0	651
03-05	43.9	10.217	651	0	96	3	0	0	651
06-08	45.4	10.125	1810	0	220	28	0	0	1810
09-11	53.7	8.114	1860	0	0	195	0	0	1860
12-14	58.8	8.868	1860	0	1	501	11	0	1860
15-17	58.0	9.223	1860	0	11	465	13	0	1860
18-20	51.3	9.259	1858	0	42	131	0	0	1858
21-23	47.4	9.889	1289	0	97	43	0	0	1289
ALL HOURS	51.8	10.812	11839	0	552	1370	24	0	11839

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	38.1	10.545	720	0	219	5	0	0	720
03-05	37.5	10.441	718	0	232	0	0	0	718
06-08	37.7	10.028	1442	0	470	1	0	0	1442
09-11	43.2	9.076	1799	0	204	37	0	0	1799
12-14	47.3	9.540	1800	0	88	87	0	0	1800
15-17	46.4	9.753	1800	0	113	76	0	0	1800
18-20	42.1	9.518	1800	0	287	30	0	0	1800
21-23	40.0	9.816	1588	0	376	15	0	0	1588
ALL HOURS	42.4	10.308	11667	0	1989	251	0	0	11667

MONTH: DEC

00-02	27.6	10.714	715	8	484	0	0	0	715
03-05	26.9	11.147	714	15	507	0	0	0	714
06-08	26.9	11.017	1435	27	993	0	0	0	1435
09-11	30.9	9.668	1795	0	1003	3	0	0	1795
12-14	34.5	9.371	1794	0	753	10	0	0	1794
15-17	34.0	9.026	1776	0	765	7	0	0	1776
18-20	31.0	9.224	1743	1	970	0	0	0	1743
21-23	29.2	9.790	1542	6	976	0	0	0	1542
ALL HOURS	30.8	10.229	11514	57	6451	20	0	0	11514

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	43.0	17.267	8042	73	2313	951	2	0	8042
03-05	42.2	17.552	8022	104	2454	862	5	0	8022
06-08	46.5	18.644	19609	219	4727	3770	125	0	19609
09-11	51.7	19.728	21789	32	4177	6984	1282	9	21789
12-14	56.1	20.046	21788	0	3126	8624	3003	136	21788
15-17	56.0	19.988	21768	1	3124	8514	3035	135	21768
18-20	51.1	18.964	21732	11	4192	6461	1071	6	21732
21-23	45.1	17.715	16897	50	4450	2907	90	0	16897
ALL HOURS	50.4	19.648	139647	490	28563	39073	8613	286	139647

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF	HOURS WITH	TEMPERATURES	DEG F	TOTAL
				LE 32	GE 50	GE 67	GE 73	GE 80	HOURS
00-02	20.4	12.169	742	612	5	0	0	0	742
03-05	19.4	12.951	738	617	1	0	0	0	738
06-08	18.0	12.820	1449	1270	11	0	0	0	1449
09-11	21.4	10.779	1806	1506	13	0	0	0	1806
12-14	24.5	9.355	1806	1424	7	0	0	0	1806
15-17	24.8	9.230	1809	1412	9	0	0	0	1809
18-20	22.6	9.889	1809	1488	13	0	0	0	1809
21-23	20.9	10.726	1631	1367	6	0	0	0	1631
ALL HOURS	21.9	10.948	11790	9696	65	0	0	0	11790

MONTH: FEB

00-02	21.5	10.823	613	516	0	0	0	0	613
03-05	20.6	11.213	613	511	0	0	0	0	613
06-08	20.6	11.660	1331	1109	12	0	0	0	1331
09-11	24.8	10.112	1689	1293	24	0	0	0	1689
12-14	27.9	9.416	1689	1155	37	0	0	0	1689
15-17	28.5	9.367	1689	1111	36	0	0	0	1689
18-20	26.1	9.503	1691	1279	24	0	0	0	1691
21-23	24.2	9.955	1494	1195	15	0	0	0	1494
ALL HOURS	25.1	10.454	10809	8169	148	0	0	0	10809

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH	TEMPERATURES DEG F	TOTAL		
				LE 32	GE 50	GE 67	GE 73	GE 80	HOURS
00-02	28.5	8.120	653	473	9	0	0	0	653
03-05	27.9	8.235	651	487	10	0	0	0	651
06-08	29.2	9.034	1460	952	27	0	0	0	1460
09-11	33.0	8.793	1860	855	90	0	0	0	1860
12-14	35.6	8.728	1859	660	147	0	0	0	1859
15-17	35.9	8.752	1857	643	155	0	0	0	1857
18-20	33.3	8.600	1857	868	82	0	0	0	1857
21-23	31.2	8.595	1632	938	52	0	0	0	1632
ALL HOURS	32.7	9.074	11829	5876	572	0	0	0	11829

MONTH: APR

00-02	35.8	8.492	633	243	49	0	0	0	633
03-05	35.2	8.407	631	275	37	0	0	0	631
06-08	39.1	7.894	1510	312	162	0	0	0	1510
09-11	42.8	7.834	1800	134	326	1	0	0	1800
12-14	44.9	7.948	1800	82	473	15	0	0	1800
15-17	45.0	8.169	1799	94	488	10	0	0	1799
18-20	42.7	8.210	1800	171	361	2	0	0	1800
21-23	40.0	8.178	1492	269	198	0	0	0	1492
ALL HOURS	41.8	8.642	11465	1580	2094	28	0	0	11465

E - 5 - 2 - 2

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	47.9	7.366	653	21	273	1	0	0	653
03-05	47.1	7.816	655	24	265	0	0	0	655
06-08	50.5	7.481	1857	12	993	20	0	0	1857
09-11	54.3	7.439	1860	0	1338	99	7	0	1860
12-14	56.1	7.599	1860	0	1460	186	20	0	1860
15-17	56.1	7.620	1860	0	1480	192	24	0	1860
18-20	54.0	7.730	1860	2	1294	106	6	0	1860
21-23	51.1	7.917	1245	20	697	24	0	0	1245
ALL HOURS	53.1	8.136	11850	79	7800	628	57	0	11850

MONTH: JUN

00-02	57.2	6.863	631	0	544	43	0	0	631
03-05	56.3	7.436	631	0	509	35	0	0	631
06-08	58.8	6.550	1799	0	1644	232	12	0	1799
09-11	62.1	6.438	1800	0	1756	503	78	0	1800
12-14	63.5	6.472	1799	0	1771	638	161	0	1799
15-17	63.5	6.424	1800	0	1774	652	154	0	1800
18-20	61.7	6.631	1800	0	1733	482	71	0	1800
21-23	59.2	6.715	1208	0	1110	188	12	0	1208
ALL HOURS	61.1	7.015	11468	0	10841	2773	488	0	11468

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	61.4	6.607	655	0	632	179	4	0	655
03-05	60.7	7.448	651	0	597	182	13	0	651
06-08	63.6	5.918	1859	0	1840	630	104	0	1859
09-11	66.9	5.432	1860	0	1860	1025	302	3	1860
12-14	68.1	5.353	1860	0	1860	1157	418	8	1860
15-17	68.0	5.298	1860	0	1860	1171	407	6	1860
18-20	66.4	5.447	1860	0	1860	977	264	1	1860
21-23	63.9	5.922	1258	0	1254	474	73	0	1258
ALL HOURS	65.7	6.163	11863	0	11763	5795	1585	18	11863

MONTH: AUG

00-02	60.1	6.987	688	0	631	144	7	0	688
03-05	59.4	7.436	680	0	612	149	6	0	680
06-08	62.1	7.054	1857	0	1759	572	95	0	1857
09-11	65.9	5.981	1859	0	1848	884	272	2	1859
12-14	67.1	5.864	1860	0	1860	1050	371	8	1860
15-17	66.9	5.865	1860	0	1855	1037	365	8	1860
18-20	65.1	6.222	1858	0	1835	813	228	2	1858
21-23	62.5	6.815	1279	0	1228	397	66	0	1279
ALL HOURS	64.5	6.866	11941	0	11628	5046	1410	20	11941

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO CIL: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	54.0	9.266	688	3	442	66	2	0	688
03-05	53.3	9.690	689	10	440	61	0	0	689
06-08	54.0	9.058	1800	13	1254	160	6	0	1800
09-11	58.9	7.239	1800	0	1638	289	70	1	1800
12-14	60.6	7.199	1800	0	1712	413	120	0	1800
15-17	60.5	7.211	1798	0	1687	410	101	0	1798
18-20	58.0	7.708	1796	0	1526	271	50	0	1796
21-23	55.6	8.423	1238	0	915	135	16	0	1238
ALL HOURS	57.5	8.436	11609	26	9614	1805	365	1	11609

MONTH: OCT

00-02	42.2	10.009	651	124	169	0	0	0	651
03-05	41.6	10.006	651	133	160	0	0	0	651
06-08	42.7	9.838	1809	304	470	3	0	0	1809
09-11	47.9	8.138	1860	38	760	11	0	0	1860
12-14	50.3	8.253	1860	12	982	39	0	0	1860
15-17	49.8	8.486	1860	30	935	32	0	0	1860
18-20	46.5	9.137	1858	116	701	10	0	0	1858
21-23	44.1	9.723	1289	169	386	2	0	0	1289
ALL HOURS	46.5	9.552	11838	926	4563	97	0	0	11838

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH	TEMPERATURES DEG F	TOTAL HOURS		
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	35.7	10.096	720	304	68	0	0	0	720
03-05	35.2	9.995	718	304	63	0	0	0	718
06-08	35.2	9.794	1442	638	131	0	0	0	1442
09-11	38.9	8.885	1799	436	218	1	0	0	1799
12-14	41.1	8.860	1800	280	305	4	0	0	1800
15-17	40.5	9.027	1800	343	298	7	0	0	1800
18-20	38.0	9.307	1800	580	221	3	0	0	1800
21-23	36.7	9.579	1587	598	169	2	0	0	1587
ALL HOURS	38.2	9.545	11666	3483	1473	17	0	0	11666

MONTH: DEC

00-02	25.5	10.216	715	566	9	0	0	0	715
03-05	25.0	10.654	714	556	7	0	0	0	714
06-08	24.8	10.575	1435	1120	20	0	0	0	1435
09-11	27.8	9.285	1795	1292	32	0	0	0	1795
12-14	30.2	8.727	1794	1115	52	0	0	0	1794
15-17	29.9	8.524	1776	1136	43	0	0	0	1776
18-20	27.8	8.887	1743	1266	35	0	0	0	1743
21-23	26.6	9.422	1542	1172	20	0	0	0	1542
ALL HOURS	27.7	9.543	11514	8223	218	0	0	0	11514

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH	TEMPERATURES DEG F	TOTAL		
				LE 32	GE 50	GE 67	GE 73	GE 80	HOURS
00-02	40.7	17.166	8042	2862	2831	433	13	0	8042
03-05	40.0	17.353	8022	2917	2701	427	19	0	8022
06-08	43.3	17.877	19608	5730	8323	1617	217	0	19608
09-11	45.6	17.633	21788	5554	9903	2813	729	6	21788
12-14	47.7	16.991	21787	4728	10666	3502	1090	16	21787
15-17	47.7	16.894	21768	4769	10620	3511	1051	14	21768
18-20	45.4	17.163	21732	5770	9685	2664	619	3	21732
21-23	41.5	17.068	16895	5728	6050	1222	167	0	16895
ALL HOURS	44.8	17.463	139642	38058	60779	16189	3905	39	139642

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	13.6	14.917	742	589	22	742	0	742
03-05	12.9	15.495	738	594	27	738	0	738
06-08	10.8	15.542	1449	1227	43	1447	0	1449
09-11	12.7	14.350	1806	1507	61	1806	0	1806
12-14	13.9	13.543	1806	1491	63	1806	0	1806
15-17	14.0	13.457	1809	1512	66	1809	0	1809
18-20	13.5	13.540	1809	1514	60	1806	0	1809
21-23	13.1	13.751	1631	1355	44	1629	0	1631
ALL HOURS	13.1	14.201	11790	9789	386	11783	0	11790

MONTH: FEB

00-02	14.3	13.677	613	506	25	613	0	1689
03-05	13.8	14.016	613	496	17	613	0	1689
06-08	13.7	14.680	1331	1073	61	1331	0	1689
09-11	15.7	14.024	1689	1333	99	1687	0	1689
12-14	16.7	13.585	1689	1326	110	1686	0	1689
15-17	16.8	13.711	1689	1311	127	1686	0	1689
18-20	16.5	13.438	1691	1339	113	1688	0	1689
21-23	16.4	13.376	1494	1181	81	1493	0	1689
ALL HOURS	15.8	13.860	10809	8565	633	10797	0	10809

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	21.9	10.923	653	446	55	652	0	653
03-05	21.5	11.074	651	451	52	649	0	651
06-08	22.6	12.169	1460	916	151	1456	0	1460
09-11	23.5	12.860	1860	1108	252	1856	0	1860
12-14	23.9	12.834	1859	1121	293	1854	0	1859
15-17	23.7	12.959	1857	1160	291	1848	0	1857
18-20	23.4	12.567	1857	1160	262	1852	0	1857
21-23	23.4	12.231	1632	1025	211	1630	0	1632
ALL HOURS	23.2	12.490	11829	7387	1567	11797	0	11829

MONTH: APR

00-02	30.2	10.441	633	280	162	627	0	1800
03-05	29.8	10.268	631	280	157	630	0	1800
06-08	32.6	10.667	1510	476	515	1495	0	1800
09-11	32.5	11.418	1800	606	616	1761	0	1800
12-14	32.6	11.588	1800	630	640	1751	0	1800
15-17	32.3	11.829	1799	654	645	1741	0	1800
18-20	32.4	11.765	1800	629	647	1750	0	1800
21-23	32.3	11.159	1492	532	515	1463	0	1800
ALL HOURS	32.2	11.367	11465	4087	3897	11218	0	11465

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	44.9	8.929	653	20	346	575	3	653
03-05	44.5	9.158	655	24	529	579	1	655
06-08	46.3	9.472	1857	55	1575	1518	24	1857
09-11	46.7	10.498	1860	75	1537	1430	45	1860
12-14	46.5	11.045	1860	88	1489	1403	60	1860
15-17	46.3	11.214	1860	99	1476	1426	69	1860
18-20	46.5	10.890	1860	90	1501	1428	56	1860
21-23	46.4	10.156	1245	46	1034	992	20	1245
ALL HOURS	46.2	10.464	11850	497	9687	9351	278	11850

MONTH: JUN

00-02	55.6	7.480	631	0	619	305	65	1799
03-05	54.8	8.160	631	0	612	306	54	1799
06-08	55.7	7.772	1799	0	1783	858	256	1799
09-11	56.2	8.760	1800	1	1770	788	362	1799
12-14	55.8	9.286	1799	3	1757	830	367	1799
15-17	55.7	9.182	1800	1	1763	849	361	1799
18-20	55.9	8.837	1800	1	1760	836	361	1799
21-23	55.9	8.139	1208	0	1188	586	200	1799
ALL HOURS	55.8	8.644	11468	6	11252	5358	2026	11468

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	60.0	6.999	655	0	655	197	211	655
03-05	59.4	7.591	651	0	651	207	193	651
06-08	61.0	6.740	1859	0	1859	416	636	1859
09-11	61.5	7.434	1860	0	1860	405	744	1860
12-14	60.8	7.841	1860	0	1857	477	704	1860
15-17	60.8	7.779	1860	0	1858	462	694	1860
18-20	61.4	7.308	1860	0	1860	400	729	1860
21-23	61.2	6.760	1258	0	1258	277	468	1258
ALL HOURS	61.0	7.401	11863	0	11858	2841	4379	11863

MONTH: AUG

00-02	59.0	7.272	688	0	687	219	163	1860
03-05	58.2	7.633	680	0	678	245	160	1860
06-08	59.9	7.583	1857	0	1852	520	597	1860
09-11	60.8	7.705	1859	0	1855	442	661	1860
12-14	60.3	8.111	1860	0	1856	494	611	1860
15-17	60.1	8.109	1860	0	1855	521	616	1860
18-20	60.8	7.592	1858	0	1851	444	637	1860
21-23	60.2	7.509	1279	0	1275	348	420	1860
ALL HOURS	60.2	7.821	11941	0	11909	3233	3865	11941

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	52.3	9.777	688	0	658	424	82	688
03-05	51.6	10.185	689	2	646	435	81	689
06-08	51.7	9.626	1800	5	1667	1154	190	1800
09-11	53.7	9.200	1800	6	1741	1029	244	1800
12-14	53.2	9.849	1800	7	1714	1054	253	1800
15-17	53.3	9.815	1798	4	1711	1045	284	1798
18-20	53.9	9.090	1796	3	1741	1029	259	1796
21-23	53.0	9.185	1238	1	1201	743	158	1238
ALL HOURS	53.0	9.604	11609	28	11079	6913	1551	11609

MONTH: OCT

00-02	39.3	11.380	651	102	377	605	0	1860
03-05	38.6	11.520	651	108	368	601	0	1860
06-08	39.4	11.209	1809	283	1038	1643	3	1860
09-11	41.5	11.049	1860	206	1229	1618	8	1860
12-14	41.2	11.686	1860	249	1199	1618	20	1860
15-17	41.0	11.875	1860	257	1167	1614	20	1860
18-20	41.0	11.397	1858	243	1167	1622	14	1860
21-23	40.1	11.396	1289	196	781	1161	8	1860
ALL HOURS	40.5	11.497	11838	1644	7326	10482	73	11838

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	31.7	11.541	720	290	221	704	0	720
03-05	31.3	11.330	718	285	220	701	0	718
06-08	30.9	11.536	1442	618	423	1401	0	1442
09-11	32.5	11.541	1799	658	617	1743	4	1799
12-14	32.4	11.991	1800	578	633	1737	10	1800
15-17	32.1	12.041	1800	706	603	1732	7	1800
18-20	31.8	11.749	1800	734	574	1746	6	1800
21-23	31.6	11.638	1587	661	498	1546	4	1587
ALL HOURS	31.9	11.751	11666	4630	3795	11310	31	11666

MONTH: DEC

00-02	20.2	11.774	715	525	62	712	0	1794
03-05	19.8	12.135	714	513	67	714	0	1794
06-08	19.2	12.696	1435	1056	93	1430	0	1794
09-11	20.6	12.186	1795	1277	145	1788	0	1794
12-14	21.1	12.140	1794	1270	159	1785	0	1794
15-17	20.9	12.061	1776	1262	143	1768	0	1794
18-20	20.5	11.917	1743	1247	128	1740	0	1794
21-23	20.3	11.844	1542	1113	120	1539	0	1794
ALL HOURS	20.4	12.143	11514	8263	917	11476	0	11514

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH TEMPERATURES DEG F	TOTAL		
				LE 27	GE 37	LE 55	GE 65	HOURS
00-02	36.7	19.811	8042	2758	4095	6375	524	8042
03-05	36.2	19.868	8022	2753	4024	6418	489	8022
06-08	38.9	20.249	19608	5709	11060	14669	1706	19608
09-11	38.4	20.258	21788	6777	11782	16353	2068	21788
12-14	38.4	19.886	21787	6863	11770	16495	2025	21787
15-17	38.3	19.895	21768	6966	11705	16501	2051	21768
18-20	38.4	20.039	21732	6960	11664	16341	2062	21732
21-23	36.1	19.938	16895	6110	8206	13407	1278	16895
ALL HOURS	38.0	20.044	139642	44896	74306	106559	12203	139642

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO							90%	MEAN	TOTAL OBS
			30%	40%	50%	60%	70%	80%				
00-02	100.0	99.9	99.1	95.3	83.2	66.6	48.9	30.1	9.8	67.7		742
03-05	100.0	100.0	99.6	94.9	85.0	67.6	51.4	30.5	11.5	68.6		738
06-08	100.0	100.0	99.0	93.0	79.9	60.9	44.2	27.4	10.8	66.3		1449
09-11	100.0	100.0	97.3	87.1	65.8	46.9	32.3	19.3	7.0	60.2		1806
12-14	100.0	100.0	92.4	74.3	49.7	32.4	20.7	11.8	5.1	53.3		1806
15-17	100.0	99.8	92.0	72.8	48.5	31.0	20.6	12.3	5.7	52.7		1809
18-20	100.0	100.0	97.7	85.9	63.6	42.5	26.1	16.1	6.2	58.5		1809
21-23	100.0	100.0	99.1	92.4	76.1	54.9	35.5	20.8	7.1	63.1		1631
ALL HOURS	100.0	100.0	96.5	85.2	65.8	46.9	31.9	19.2	7.3	59.9		11790

MONTH: FEB

00-02	100.0	100.0	99.0	92.8	78.5	60.8	43.2	26.8	9.8	65.8		613
03-05	100.0	100.0	98.9	93.6	84.3	63.1	47.5	28.5	11.6	67.5		613
06-08	100.0	100.0	98.3	94.3	81.5	63.7	45.8	29.2	13.3	67.2		1331
09-11	100.0	99.9	96.3	83.1	61.4	41.6	28.5	16.8	7.9	58.2		1689
12-14	100.0	99.5	90.9	67.8	42.2	26.6	18.9	11.7	6.3	51.0		1689
15-17	100.0	99.2	87.5	62.6	40.7	27.1	19.2	12.6	6.5	50.2		1689
18-20	100.0	99.9	94.9	80.1	58.1	39.0	24.9	15.6	7.2	56.6		1691
21-23	100.0	99.9	98.1	90.0	73.9	53.1	36.0	20.8	9.7	62.9		1494
ALL HOURS	100.0	99.7	94.7	80.5	61.1	43.2	30.1	18.5	8.6	58.3		10809

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OPERATING LOCATION: WFO  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	98.8	94.0	81.8	60.8	46.2	27.1	12.6	66.7	653
03-05	100.0	100.0	98.9	95.2	83.3	65.0	49.5	32.1	14.4	68.6	651
06-08	100.0	100.0	98.4	91.9	79.5	64.9	47.9	30.8	13.5	67.5	1460
09-11	100.0	99.3	92.0	76.4	55.9	38.9	27.1	17.8	8.7	56.3	1860
12-14	100.0	96.9	82.1	58.6	40.1	28.8	20.9	14.1	6.0	49.4	1859
15-17	100.0	95.9	78.8	55.9	38.2	28.2	20.8	14.6	7.9	48.6	1857
18-20	100.0	98.5	91.0	72.5	52.8	36.7	26.5	17.4	9.3	55.2	1857
21-23	100.0	99.7	96.3	88.0	69.8	50.6	35.8	23.7	11.6	62.2	1632
ALL HOURS	100.0	98.5	90.4	75.3	57.9	42.7	31.1	20.4	9.8	57.3	11829

MONTH: APR

00-02	100.0	100.0	99.8	97.2	85.8	69.2	48.0	33.8	15.8	69.9	633
03-05	100.0	100.0	99.0	95.2	86.2	74.6	55.9	36.9	18.2	71.4	631
06-08	100.0	99.9	97.9	90.6	79.0	62.1	46.4	29.9	14.0	66.7	1510
09-11	100.0	99.0	88.1	68.3	49.2	33.9	24.6	15.4	6.3	52.9	1800
12-14	100.0	95.8	73.5	51.4	35.6	26.1	18.8	12.1	5.6	46.5	1800
15-17	100.0	92.9	70.3	51.4	35.6	26.3	20.3	13.5	7.3	46.4	1799
18-20	100.0	98.2	85.4	67.2	48.3	36.1	27.0	18.4	9.8	53.6	1800
21-23	100.0	99.9	96.5	86.6	68.8	50.7	37.1	24.5	11.8	62.2	1492
ALL HOURS	100.0	97.8	86.2	71.2	55.3	41.9	30.9	20.3	9.8	56.0	11465

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO							90%	MEAN	TOTAL OBS
			30%	40%	50%	60%	70%	80%				
00-02	100.0	100.0	99.5	98.8	96.9	92.0	80.7	61.9	37.2	81.5		653
03-05	100.0	100.0	99.8	97.7	94.8	90.7	84.6	70.5	44.9	83.5		655
06-08	100.0	100.0	99.2	96.1	90.7	81.9	65.9	46.7	26.3	75.3		1857
09-11	100.0	100.0	95.6	81.0	64.2	44.9	30.6	20.1	10.1	59.0		1860
12-14	100.0	99.0	85.5	64.8	44.7	31.9	21.3	14.7	6.9	51.5		1860
15-17	100.0	97.8	83.4	63.7	44.6	32.2	22.4	15.4	7.8	51.3		1860
18-20	100.0	99.8	93.8	80.5	64.0	47.4	33.8	22.9	12.9	60.1		1860
21-23	100.0	100.0	99.1	95.3	87.6	73.6	58.5	40.6	22.2	72.4		1245
ALL HOURS	100.0	99.5	93.2	81.4	68.1	55.2	42.6	30.4	16.9	63.4		11850

MONTH: JUN

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	100.0	99.7	98.3	92.7	79.6	53.7	87.6	631
03-05	100.0	100.0	100.0	99.5	98.9	97.1	93.3	87.3	56.6	88.7	631
06-08	100.0	100.0	100.0	99.6	97.2	89.6	73.1	53.3	30.4	79.0	1799
09-11	100.0	100.0	98.9	92.1	74.7	53.7	34.9	21.3	11.3	63.2	1800
12-14	100.0	99.8	95.1	74.3	52.1	36.4	25.1	15.1	7.9	55.1	1799
15-17	100.0	99.9	93.9	72.8	50.6	37.3	26.3	16.3	8.3	55.2	1800
18-20	100.0	100.0	98.6	89.8	73.8	55.4	39.9	25.9	14.5	64.5	1800
21-23	100.0	100.0	100.0	98.8	94.3	83.4	68.6	50.7	30.0	77.5	1208
ALL HOURS	100.0	100.0	97.9	88.6	75.5	62.3	48.8	35.2	20.6	67.6	11468

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO							MEAN	TOTAL OBS
			30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	100.0	99.8	99.8	98.9	94.7	86.0	62.0	89.1	655
03-05	100.0	100.0	100.0	100.0	100.0	99.1	96.0	86.2	62.4	89.5	651
06-08	100.0	100.0	100.0	100.0	98.4	91.9	78.2	57.1	30.0	80.1	1859
09-11	100.0	100.0	99.9	95.2	79.7	54.6	29.6	16.1	7.1	62.8	1860
12-14	100.0	100.0	97.5	80.3	52.6	29.9	18.6	10.0	5.3	53.9	1860
15-17	100.0	100.0	97.3	78.0	51.8	32.5	20.9	12.5	6.6	54.6	1860
18-20	100.0	100.0	99.5	93.9	80.9	61.1	41.0	24.4	12.5	65.9	1860
21-23	100.0	100.0	100.0	99.5	97.6	90.3	76.2	56.4	31.6	79.9	1258
ALL HOURS	100.0	100.0	99.1	91.7	78.3	62.8	48.1	34.3	19.8	68.0	11863

MONTH: AUG

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	100.0	100.0	99.4	96.8	86.8	70.5	90.5	688
03-05	100.0	100.0	100.0	100.0	99.9	98.8	94.7	86.6	68.8	90.0	680
06-08	100.0	100.0	100.0	99.9	98.5	95.8	86.5	67.8	36.5	83.0	1857
09-11	100.0	100.0	99.9	97.9	86.3	61.8	36.2	16.7	6.8	65.0	1859
12-14	100.0	100.0	98.7	86.7	56.5	35.3	19.7	10.9	4.4	55.7	1860
15-17	100.0	100.0	98.0	84.5	57.0	38.0	24.2	14.7	7.0	56.8	1860
18-20	100.0	100.0	99.6	97.7	88.3	72.0	52.6	30.5	13.1	69.9	1858
21-23	100.0	100.0	100.0	99.8	98.3	93.7	84.4	64.3	35.5	82.1	1279
ALL HOURS	100.0	100.0	99.4	94.8	82.2	68.5	54.1	38.7	22.3	70.6	11941

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO							90%	MEAN	TOTAL OBS
			30%	40%	50%	60%	70%	80%				
00-02	100.0	100.0	100.0	100.0	100.0	98.8	94.3	84.4	49.7	87.7		688
03-05	100.0	100.0	100.0	100.0	99.4	97.0	92.7	82.0	50.9	87.2		689
06-08	100.0	100.0	100.0	99.7	98.0	94.9	87.7	73.1	39.8	83.9		1800
09-11	100.0	100.0	99.7	96.9	85.5	64.2	43.9	26.6	11.7	67.2		1800
12-14	100.0	100.0	98.6	84.3	57.5	36.7	24.8	14.4	5.7	56.7		1800
15-17	100.0	100.0	98.2	84.3	60.3	40.6	28.2	17.0	8.8	58.0		1798
18-20	100.0	100.0	99.9	98.7	92.5	79.6	61.1	39.2	15.5	73.3		1796
21-23	100.0	100.0	100.0	99.8	98.3	94.5	84.3	65.2	30.4	82.0		1238
ALL HOURS	100.0	100.0	99.4	94.4	83.3	70.7	58.2	43.2	21.8	71.7		11609

MONTH: OCT

00-02	100.0	100.0	100.0	100.0	97.8	91.6	83.3	67.6	33.9	82.5		651
03-05	100.0	100.0	100.0	99.4	96.9	88.6	79.7	67.4	36.1	82.1		651
06-08	100.0	100.0	99.6	98.8	95.5	89.2	78.1	62.1	30.8	80.3		1809
09-11	100.0	100.0	99.2	93.4	78.1	58.5	40.5	25.3	11.7	65.2		1860
12-14	100.0	99.9	95.9	76.4	51.7	34.6	21.2	13.6	6.3	54.4		1860
15-17	100.0	99.7	94.7	76.6	54.7	37.6	24.0	16.2	7.3	55.7		1860
18-20	100.0	100.0	99.8	97.0	87.1	70.2	48.5	30.1	13.0	69.2		1858
21-23	100.0	100.0	100.0	99.5	95.5	85.7	68.7	49.3	19.5	76.4		1289
ALL HOURS	100.0	99.9	98.3	90.8	78.4	64.4	49.5	35.7	16.7	68.1		11838

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: NOV

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO							90%	MEAN	TOTAL OBS
			30%	40%	50%	60%	70%	80%				
00-02	100.0	100.0	100.0	99.4	95.6	84.3	73.5	51.4	24.4	77.5		720
03-05	100.0	100.0	100.0	99.9	96.1	86.2	71.4	54.6	26.5	78.3		718
06-08	100.0	100.0	100.0	98.8	94.4	82.5	68.5	50.9	22.8	76.5		1442
09-11	100.0	100.0	99.6	94.3	79.6	60.0	44.1	29.1	11.8	66.5		1799
12-14	100.0	99.7	96.2	82.6	58.6	41.1	27.7	18.5	6.7	57.7		1800
15-17	100.0	99.9	97.2	83.5	62.3	43.3	29.5	20.0	7.5	58.9		1800
18-20	100.0	100.0	99.7	96.9	81.7	64.2	44.9	28.9	10.7	67.3		1800
21-23	100.0	100.0	99.7	98.4	89.5	73.4	58.5	39.9	15.7	72.1		1587
ALL HOURS	100.0	99.9	98.8	93.0	79.2	62.9	47.9	33.1	13.8	67.5		11666

MONTH: DE

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	99.7	99.2	93.6	75.8	57.8	38.6	15.5	72.6	715
03-05	100.0	100.0	100.0	99.3	92.0	78.2	61.6	41.5	15.8	73.6	714
06-08	100.0	100.0	99.4	97.4	90.5	73.2	56.2	36.2	15.1	71.5	1435
09-11	100.0	99.9	98.4	93.8	76.7	56.0	40.2	24.8	10.5	64.7	1795
12-14	100.0	99.6	95.9	82.5	57.2	39.7	27.0	17.9	8.4	57.5	1794
15-17	100.0	99.9	96.1	83.7	59.5	40.7	28.7	19.0	7.9	58.1	1776
18-20	100.0	100.0	98.5	93.0	77.3	56.7	37.8	23.2	9.3	64.2	1743
21-23	100.0	100.0	99.4	96.0	86.0	65.6	47.7	29.3	11.6	68.2	1542
ALL HOURS	100.0	99.9	98.1	91.8	76.1	57.2	41.4	26.5	11.0	64.9	11514

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: ALL

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO							90%	MEAN	TOTAL OBS
			30%	40%	50%	60%	70%	80%				
00-02	100.0	100.0	99.7	98.1	92.8	83.1	71.7	56.1	32.8	78.3		8042
03-05	100.0	100.0	99.7	97.9	93.1	83.8	73.1	58.6	34.6	79.0		8022
06-08	100.0	100.0	99.4	96.9	91.0	80.6	66.5	48.6	24.6	75.4		19608
09-11	100.0	99.8	97.1	88.3	71.5	51.3	34.4	20.8	9.2	61.8		21788
12-14	100.0	99.2	91.9	73.7	49.9	33.3	22.1	13.7	6.2	53.6		21787
15-17	100.0	98.7	90.6	72.5	50.3	34.6	23.8	15.3	7.4	53.9		21768
18-20	100.0	99.7	96.5	87.8	72.5	55.2	38.8	24.4	11.2	63.2		21732
21-23	100.0	100.0	98.9	95.0	85.3	70.9	55.9	38.9	18.8	71.0		16895
ALL HOURS	100.0	99.6	96.0	86.6	71.9	56.7	43.0	29.7	14.9	64.5		139642

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PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	FFFFFFFFF
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	FFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPPP	AA AA	RRRRRRRR	TT	FFFFF
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	FFFFF
PP	AAAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	1016.6	1017.3	1015.4	1013.5	1014.5	1015.4	1015.3	1016.3	1018.2	1020.2	1015.9	1016.7	1016.3
	SD	9.150	10.953	10.785	8.849	6.068	5.547	5.030	4.861	6.085	7.381	10.095	10.070	8.396
	TOT OBS	216	175	186	181	187	180	186	198	198	186	211	207	2311
0400	MEAN	1016.7	1017.0	1015.1	1013.3	1014.4	1015.4	1015.3	1016.1	1018.2	1020.1	1016.0	1016.7	1016.2
	SD	9.221	11.318	10.990	8.961	6.217	5.727	5.205	5.070	6.130	7.578	10.032	10.236	8.541
	TOT OBS	215	175	186	180	187	180	186	195	199	186	210	207	2306
0700	MEAN	1016.3	1017.3	1016.0	1014.5	1015.5	1015.1	1015.7	1017.1	1018.8	1019.6	1017.8	1017.5	1016.8
	SD	10.915	10.202	10.284	8.730	6.500	6.209	5.226	5.009	6.557	8.530	9.952	10.408	8.575
	TOT OBS	571	534	588	569	588	570	589	589	570	589	570	565	6892
1000	MEAN	1017.0	1017.7	1016.1	1014.2	1015.1	1014.9	1015.5	1017.0	1018.8	1019.7	1018.2	1018.4	1016.9
	SD	11.006	10.185	10.361	8.690	6.419	6.187	5.210	4.987	6.631	8.609	9.945	10.422	8.627
	TOT OBS	571	534	589	570	589	570	589	589	570	589	570	567	6897
1300	MEAN	1014.9	1016.1	1014.7	1012.9	1013.9	1013.8	1014.5	1016.0	1017.4	1018.1	1016.4	1016.4	1015.4
	SD	10.862	9.919	10.073	8.473	6.185	6.044	5.166	4.847	6.674	8.422	9.669	10.243	8.417
	TOT OBS	571	534	589	570	589	571	589	589	571	589	569	567	6898
1600	MEAN	1014.9	1015.6	1013.9	1012.0	1013.1	1013.1	1013.7	1015.2	1016.6	1017.6	1016.3	1016.4	1014.9
	SD	10.734	9.708	9.648	8.259	5.991	5.870	5.102	4.759	6.333	8.259	9.390	10.009	8.239
	TOT OBS	572	534	588	570	589	570	589	589	570	589	570	567	6897
1900	MEAN	1015.8	1016.6	1014.9	1012.9	1013.7	1013.5	1014.0	1015.6	1017.3	1018.6	1017.1	1017.2	1015.6
	SD	10.789	9.744	9.546	8.050	5.857	5.727	4.928	4.626	6.201	8.277	9.323	10.000	8.186
	TOT OBS	573	536	588	567	589	570	589	588	569	589	570	550	6878
2200	MEAN	1016.0	1017.0	1015.5	1014.0	1014.9	1014.7	1015.2	1016.4	1018.6	1020.6	1017.3	1017.2	1016.4
	SD	10.795	9.803	9.731	8.368	6.037	5.403	4.771	4.837	6.269	7.896	9.444	10.058	8.589
	TOT OBS	571	534	587	540	374	363	374	388	377	395	571	548	5622
ALL HOURS	MEAN	1015.9	1016.8	1015.2	1013.4	1014.3	1014.3	1014.8	1016.2	1017.9	1019.1	1017.1	1017.1	1016.0
	SD	10.705	10.080	10.067	8.521	6.229	5.971	5.144	4.907	6.471	8.337	9.701	10.209	8.470
	TOT OBS	3860	3556	3901	3747	3692	3574	3691	3725	3624	3712	3841	3778	44701

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	30.01	30.02	29.97	29.93	29.97	29.97	29.99	30.01	30.06	30.12	29.99	30.02	30.01
	SD	.266	.329	.319	.254	.180	.172	.153	.146	.179	.235	.295	.302	.249
	TOT OBS	247	204	217	210	218	210	217	229	228	217	240	238	2675
0400	MEAN	30.02	30.02	29.96	29.93	29.97	29.97	29.99	30.01	30.06	30.12	30.00	30.02	30.01
	SD	.267	.337	.324	.257	.185	.177	.157	.152	.183	.241	.295	.308	.253
	TOT OBS	246	204	217	209	217	210	217	226	229	217	239	238	2669
0700	MEAN	30.00	30.03	29.99	29.95	29.99	29.97	30.00	30.04	30.08	30.10	30.05	30.04	30.02
	SD	.318	.302	.305	.254	.190	.185	.154	.148	.193	.255	.292	.308	.253
	TOT OBS	602	563	619	599	619	600	620	620	600	620	599	597	7258
1000	MEAN	30.02	30.04	29.99	29.94	29.98	29.96	29.99	30.03	30.08	30.11	30.06	30.06	30.02
	SD	.320	.302	.307	.253	.188	.185	.154	.148	.195	.256	.291	.307	.254
	TOT OBS	602	563	620	600	620	600	620	620	600	620	600	598	7263
1300	MEAN	29.96	29.99	29.95	29.91	29.94	29.93	29.96	30.00	30.04	30.06	30.01	30.01	29.98
	SD	.317	.294	.298	.248	.182	.182	.153	.144	.194	.251	.284	.302	.248
	TOT OBS	602	563	620	600	620	600	620	620	600	620	600	598	7263
1600	MEAN	29.96	29.98	29.93	29.89	29.92	29.92	29.94	29.98	30.02	30.05	30.01	30.01	29.97
	SD	.314	.289	.287	.243	.178	.175	.153	.141	.186	.248	.275	.296	.244
	TOT OBS	603	563	619	600	620	600	620	620	599	620	600	598	7262
1900	MEAN	29.99	30.01	29.96	29.91	29.94	29.93	29.95	29.99	30.04	30.08	30.03	30.03	29.99
	SD	.314	.292	.285	.237	.174	.170	.148	.138	.181	.248	.274	.295	.242
	TOT OBS	603	565	619	597	620	600	620	619	599	620	600	579	7247
2200	MEAN	29.99	30.02	29.98	29.94	29.97	29.96	29.98	30.02	30.08	30.13	30.03	30.03	30.01
	SD	.313	.294	.290	.246	.178	.164	.142	.144	.183	.239	.278	.298	.253
	TOT OBS	601	563	618	570	406	394	407	419	409	426	600	579	5992
ALL HOURS	MEAN	29.99	30.01	29.97	29.92	29.96	29.95	29.97	30.01	30.06	30.09	30.03	30.03	30.00
	SD	.311	.300	.299	.249	.183	.179	.153	.146	.190	.250	.285	.302	.250
	TOT OBS	4106	3788	4149	3985	3940	3814	3941	3973	3864	3960	4078	4025	47623

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	29.74	29.75	29.70	29.67	29.70	29.70	29.72	29.74	29.80	29.85	29.73	29.75	29.74
	SD	.263	.327	.317	.254	.181	.172	.153	.144	.179	.235	.294	.299	.248
	TOT OBS	247	204	217	210	218	210	217	229	228	217	240	238	2675
0400	MEAN	29.75	29.75	29.69	29.66	29.70	29.70	29.72	29.74	29.80	29.85	29.73	29.76	29.74
	SD	.265	.335	.322	.256	.186	.178	.156	.149	.183	.241	.294	.305	.252
	TOT OBS	246	204	217	209	217	210	217	226	229	217	239	238	2669
0700	MEAN	29.73	29.76	29.72	29.68	29.72	29.70	29.73	29.77	29.81	29.84	29.77	29.77	29.75
	SD	.318	.299	.302	.254	.191	.185	.154	.148	.193	.254	.292	.307	.252
	TOT OBS	598	566	619	578	619	600	620	620	600	641	599	598	7258
1000	MEAN	29.75	29.77	29.72	29.67	29.71	29.69	29.72	29.76	29.81	29.84	29.79	29.79	29.75
	SD	.319	.301	.306	.253	.188	.186	.154	.148	.195	.256	.291	.306	.253
	TOT OBS	602	563	620	600	620	600	620	620	600	620	600	598	7263
1300	MEAN	29.69	29.72	29.68	29.64	29.67	29.67	29.69	29.73	29.77	29.79	29.74	29.74	29.71
	SD	.316	.294	.297	.247	.182	.182	.153	.144	.194	.251	.283	.301	.248
	TOT OBS	602	563	620	600	620	600	620	620	600	620	600	598	7263
1600	MEAN	29.69	29.71	29.66	29.62	29.65	29.65	29.67	29.71	29.75	29.78	29.74	29.74	29.70
	SD	.312	.288	.286	.242	.178	.175	.152	.141	.186	.248	.275	.294	.243
	TOT OBS	603	563	619	600	620	600	620	620	599	620	600	598	7262
1900	MEAN	29.72	29.74	29.69	29.64	29.67	29.66	29.68	29.72	29.77	29.81	29.76	29.76	29.72
	SD	.313	.291	.284	.237	.174	.171	.147	.137	.182	.248	.273	.293	.241
	TOT OBS	603	565	619	597	620	600	620	619	599	620	600	579	7261
2200	MEAN	29.73	29.75	29.71	29.67	29.70	29.69	29.72	29.75	29.81	29.86	29.76	29.76	29.74
	SD	.312	.294	.289	.245	.178	.164	.142	.144	.183	.238	.277	.297	.253
	TOT OBS	601	563	618	570	406	394	407	419	409	426	600	579	7292
ALL HOURS	MEAN	29.72	29.74	29.70	29.66	29.69	29.68	29.70	29.74	29.79	29.82	29.76	29.76	29.73
	SD	.310	.299	.298	.248	.184	.179	.153	.145	.190	.250	.284	.300	.249
	TOT OBS	4102	3791	4149	3964	3940	3814	3941	3973	3864	3981	4078	4026	47623



PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	GGGGGG
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TTTTTTTTT	GGGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA A	RR RR	TT	GG
PPPPPPPP	AA	RRRRRRRR	TT	GG
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	GG GGG
PP	AAAAAAAAA	RR RR	TT	GG GGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGG
PP	AA AA	RR RR	TT	GGGGGG

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PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 049-229

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	10.5	2.6	.4	742	9.8	3.0	.1	738	10.3	2.6	.1	1450	15.7	4.0	.1	1806
CATEGORY B	11.2	5.7	2.1	751	10.2	5.9	1.1	747	11.1	6.1	1.2	1541	17.0	8.4	1.4	1912

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	22.6	6.6	.3	1806	21.6	4.6	.1	1809	13.9	3.2	.2	1809	11.9	3.6	.2	1632
CATEGORY B	22.9	11.5	2.2	1919	22.4	9.4	2.2	1906	14.8	7.2	1.3	1876	12.8	6.8	2.1	1691

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	17.1	4.3	.1	8680	15.5	4.0	.2	11792
CATEGORY B	17.9	8.6	1.7	9154	16.3	8.0	1.7	12343

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 049-229

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	10.4	3.4		614	9.6	2.9	.3	613	9.8	2.7	.3	1331	15.6	4.3	.2	1689
CATEGORY B	12.0	6.2	2.1	634	10.9	7.0	2.6	626	11.3	6.6	1.8	1415	17.8	8.8	1.8	1795

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	22.0	7.2	.2	1689	22.4	6.2	.1	1689	13.0	3.0		1691	9.6	2.1	.1	1494
CATEGORY B	23.2	11.4	2.7	1766	23.4	10.8	2.1	1757	14.7	6.1	.8	1750	10.9	5.9	1.0	1553

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	16.9	4.8	.1	8089	15.1	4.2	.1	10810
CATEGORY B	18.4	8.8	1.9	8483	16.6	8.2	1.8	11296

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 049-229

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	10.7	2.3	.2	653	11.1	1.4		651	13.5	3.5	.3	1463	20.6	5.9	.2	1860
CATEGORY B	12.4	6.1	1.0	670	12.1	5.8	.1	669	14.5	7.4	2.1	1548	22.1	11.2	2.9	1950

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	25.1	9.6	.3	1859	27.0	8.9	.3	1857	17.0	5.3	.1	1857	12.3	3.7	.1	1632
CATEGORY B	28.1	16.2	4.7	1934	28.9	16.0	4.4	1952	18.5	10.0	2.4	1923	13.9	8.1	2.0	1687

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	21.0	6.8	.2	8896	18.7	5.8	.2	11832
CATEGORY B	22.8	12.4	3.4	9307	20.4	11.1	2.9	12333

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 049-229

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	6.0	1.1		633	5.5	1.3		631	8.1	1.8	.1	1511	18.2	4.0	.2	1800
CATEGORY B	6.8	3.4	.3	646	6.9	3.1	.3	654	9.3	4.6	1.3	1646	20.2	10.5	1.8	1931

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	24.2	6.4	.2	1800	23.4	7.1	.1	1800	12.6	2.4		1800	7.1	1.3		1492
CATEGORY B	27.2	13.9	3.1	1897	27.3	13.9	3.3	1886	14.5	6.7	.6	1870	8.5	4.1	.3	1529

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	17.6	4.4	.1	8711	14.9	3.7	.1	11467
CATEGORY B	20.0	10.1	2.0	9230	17.1	8.6	1.6	12059



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 049-229

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.6			653	.9			655	3.0	.5	.1	1857	7.8	1.1		1860
CATEGORY B	.9	.1		682	1.6	.3	.1	692	4.1	1.5	.3	1995	9.4	3.6	.4	1969

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	12.1	2.3		1860	13.1	2.4	.1	1860	5.8	.7		1860	1.8	.2		1245
CATEGORY B	15.4	7.1	.7	1965	14.9	5.0	.8	1949	7.0	2.5	.2	1923	2.4	.6		1275

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	8.4	1.4	.0	9297	6.8	1.1	.0	11850
CATEGORY B	10.1	3.9	.5	9801	8.4	3.2	.4	12450

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 049-229

STATION NUMBER: 744910 STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.3			631	1.0			631	3.0	.1		1799	7.2	.4		1800
CATEGORY B	.6	.2		655	1.0	.4		686	3.4	.9		1957	8.6	2.6	.1	1900

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	10.1	1.1		1800	10.0	1.1		1800	5.6	.6		1800	1.4	.3		1209
CATEGORY B	12.7	4.6	.2	1884	11.8	3.7	.5	1888	6.0	1.8	.4	1875	1.7	.6	.2	1253

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	7.2	.6		8999	5.9	.5		11470
CATEGORY B	8.3	2.7	.2	9504	6.9	2.2	.2	12098

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 049-229

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.5			655	.9			651	.9			1859	3.3	.2		1860
CATEGORY B	.4			683	1.2	.7		678	1.0	.4		2058	4.1	1.2	.2	1974

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	6.6	.7		1860	6.8	.2		1860	2.0	.1		1860	.5			1258
CATEGORY B	7.9	2.5	.1	1932	8.4	1.8	.1	1954	2.8	.4	.1	1968	.5			1300

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	3.9	.2		9299	3.2	.2		11863
CATEGORY B	4.8	1.3	.1	9886	3.9	1.0	.1	12547

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 049-229

STATION NUMBER: 744910 STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				688	.4			680	1.3	.1		1857	2.8	.3		1860
CATEGORY B				698	.6	.3		710	1.7	.5		2020	3.5	.9	.2	1935

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	5.6	.6		1860	6.3	.8		1860	1.8	.3		1858	.9	.1		1279
CATEGORY B	7.3	2.3	.2	1935	7.1	2.7	.3	1936	2.1	.9	.1	1927	1.2	.3		1317

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	3.6	.4		9295	2.9	.3		11942
CATEGORY B	4.3	1.5	.1	9753	3.5	1.2	.1	12478

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 049-229

STATION NUMBER: 744910 STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.9	.1		688	.9	.1		689	1.6	.1		1800	5.3	.6		1800
CATEGORY B	1.2	.4	.3	688	1.2	.3		689	2.1	.7	.1	1937	6.5	3.0	.2	1872

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	8.3	1.0		1800	7.4	.8		1798	1.6	.1		1797	1.5			1238
CATEGORY B	10.6	3.7	.4	1866	8.6	2.4	.3	1854	2.0	.7	.1	1845	1.8	.6	.2	1254

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	4.8	.5		8995	4.0	.4		11610
CATEGORY B	5.9	2.1	.2	9374	4.9	1.7	.2	12005

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 049-229

STATION NUMBER: 744910 STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	1.5	.5		651	2.0	.2		651	3.1	.5		1810	10.1	1.8		1860
CATEGORY B	2.0	1.1	.3	651	2.3	1.4	.3	651	3.6	1.6	.5	1913	11.8	5.4	.5	1929

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	13.9	2.5		1860	11.2	1.7	.1	1860	4.3	.4		1860	2.3	.2		1289
CATEGORY B	16.3	7.3	1.3	1911	12.3	5.5	.8	1916	5.2	2.1	.1	1915	2.5	.8	.1	1304

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	8.6	1.4	.0	9250	7.1	1.1	.0	11841
CATEGORY B	9.8	4.4	.6	9584	8.2	3.7	.5	12190

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 049-224

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 AUG 89  
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	5.6	1.0		720	7.4	1.7		718	7.0	1.5		1442	12.6	2.7		1799
CATEGORY B	7.8	3.4	.5	733	8.8	5.0	1.5	735	7.9	4.3	1.1	1506	13.9	7.3	1.4	1866

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	19.8	4.2	.1	1800	14.8	3.0		1800	8.9	1.8		1800	6.7	1.1		1637
CATEGORY B	21.5	10.6	2.0	1871	16.5	7.5	1.2	1884	10.1	5.1	.7	1868	8.9	3.7	.1	1431

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	12.9	2.7	.0	8641	11.2	2.3	.0	11666
CATEGORY B	14.2	7.1	1.3	8905	12.8	6.3	1.1	12093

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 049-229

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 70  
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	8.4	1.1	.1	715	8.8	2.4	.1	714	10.0	2.3		1435	13.9	4.3	.1	1795
CATEGORY B	9.3	4.7	.7	719	9.5	4.1	1.0	733	11.0	5.3	1.3	1483	15.4	8.0	1.7	1859

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	20.4	5.8	.1	1794	15.9	4.3	.2	1777	10.2	3.3	.3	1743	8.2	1.9	.1	1542
CATEGORY B	21.2	9.7	2.9	1865	16.6	7.9	2.5	1863	11.0	6.0	2.3	1794	10.1	4.7	1.4	1567

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	14.3	4.2	.1	8544	12.7	3.1	.1	11515
CATEGORY B	15.3	7.5	2.2	8864	13.9	6.7	1.9	11883



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 049-229

STATION NUMBER: 744910 STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: SEP 69 - AUG 89  
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	4.7	1.0	.1	8043	4.9	1.1	.0	8022	5.5	1.2	.1	19614	11.0	2.4	.1	21789
CATEGORY B	5.4	2.6	.6	8210	5.5	2.9	.6	8270	6.2	3.0	.7	21019	12.5	5.9	1.0	22892

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	15.8	4.0	.1	21788	14.9	3.4	.1	21770	8.0	1.7	.0	21735	5.8	1.3	.1	16897
CATEGORY B	17.8	8.4	1.7	22745	16.5	7.2	1.5	22745	9.0	4.1	.7	22534	6.8	3.3	.7	17360

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	11.2	2.6	.1	106696	9.8	2.3	.1	139658
CATEGORY B	12.5	5.8	1.2	111935	11.0	5.1	1.0	145775



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPP	AA AA	RRRRRRRR	TT	HHHHHHHH	HH
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	HHHHHHHH	HH
PP	AAAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

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PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (\*\*\*\*) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

\*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: JAN 42 - DEC 75

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1942	1272	1120	791	441	141	41	5	26	120	364	726	1218	6265
1943	1290	1079	958	693	204	19	7	11	147	402	753	1218	6781
1944	1152	1118	998	618	95	50		24	97	435	737	1218	6542
1945	1421	1050	604	379	297	96	5	27	86	459	691	1262	6377
1946	1235	1142	606	577	265	73	3	29	70	296	609	1038	5943
1947	1076	1094	929	581	275	77			164	241	778	1201	6416
1948	1458	1267	939	530	266	74		9	107	439	581	1034	6704
1949	1000	935	842	465	216	31		9	168	285	****	1052	5003
1950	981	1115	1053	589	237	53	9	4	202	340	632	1075	6290
1951	1112	941	841	464	193	62		11	127	326	821	1082	5980
1952	1090	1007	896	425	274	13		8	109	478	708	986	5994
1953	1024	901	812	496	184	44	1	8	105	315	631	896	5417
1954	1309	843	857	468	281	37	6	17	136	308	691	1034	5987
1955	1199	975	885	446	131	60		7	131	361	755	1280	6230
1956	1109	1019	1039	638	336	32	16	12	218	406	675	992	6492
1957	1391	916	766	382	207	26	1	19	111	401	606	893	5719
1958	1185	1197	821	459	290	82	5	3	126	446	670	1299	6583
1959	1220	1133	904	448	164	67		8	112	368	717	1016	6157
1960	1184	929	1064	427	132	28	3	11	107	424	633	1278	6274
1961	1433	1005	885	584	288	20	2	10	67	312	679	1087	6372
1962	1235	1203	895	577	274	28	7	22	191	454	835	1314	7035
1963	1306	1238	911	557	280	65	17	42	237	334	584	1372	6943
1964	1208	1187	816	582	138	80	9	99	202	514	733	1139	6707
1965	1370	1101	972	625	184	118	24	55	176	478	810	1022	6935
1966	1249	1078	873	607	310	43	5	2	180	488	618	1119	6572
1967	1089	1187	1068	623	462	28		13	136	409	839	1050	6904

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1968	1403	1221	792	445	286	75	5	43	91	372	798	1207	6738
1969	1270	1058	964	456	271	62	19	17	152	454	707	1193	6623
1970	1575	1079	967	545	192	63	2	4	152	391	652	1197	6819
1971	1406	998	925	604	301	57	19	39	123	320	825	1056	6673
1972	1224	1213	1029	745	313	125	26	66	195	633	****	1095	6664
1973	1127	1033	745	494	308	36	5	3	197	412	683	992	6035
1974	1136	1077	853	433	314	43	8	4	151	537	653	****	5209
1975	1049	1003	913	602	131	63	3	32	165	332	524	1087	5904
MEAN	1229	1072	888	529	242	55	6	20	142	398	698	1121	
SD	144.35	107.17	111.85	91.05	77.42	26.80	7.27	21.08	43.23	82.16	81.94	121.54	

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 744910

STATION NAME: WESTOVER AFB MA  
LST TO UTC: + 5

PERIOD OF RECORD: JAN 42 - DEC 75

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1942				4	33	138	204	168	73	1			621
1943					24	237	248	165	58	4			736
1944					67	129	286	269	81	8			840
1945			5	9	2	168	225	159	107				675
1946					20	119	203	99	69	12			522
1947					35	86	268	250	124	14			777
1948					22	74	247	211	71	5	1		631
1949				2	30	220	350	240	31	33	****		906
1950					8	115	204	157	33	13			530
1951					26	102	239	162	50	10			589
1952				2	4	161	336	194	61				758
1953					27	188	258	215	114	2			804
1954				11	8	112	190	104	36	70			631
1955					53	103	389	306	58	5			914
1956					18	170	185	187	51				611
1957				23	35	238	241	121	102	2			762
1958					3	51	234	198	61	4			581
1959				1	89	137	283	293	160	17			986
1960				1	8	137	195	207	52	7			607
1961					19	129	240	200	202	6	1		797
1962				6	39	113	125	154	36				473
1963					10	109	215	83	19	5			441
1964					78	86	213	54	41				472
1965					41	93	136	159	58				487
1966					13	144	245	185	20				607
1967					3	142	257	170	37	5			614

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1968				63	236	196	44	5		544
1969		3	26	115	157	229	71	4		605
1970		4	35	104	213	177	74	6		613
1971			1	115	130	109	66			421
1972			1	28	158	77	26		****	290
1973		2	5	134	191	236	90	1		659
1974		7	25	96	222	181	65		2 ****	598
1975			68	117	291	178	10	4	3	673
.....										
MEAN		0	2	25	125	229	179	66	7	0
SD		.86	4.62	23.09	47.13	58.89	58.88	40.07	12.95	.66

H - 3 - 1A



A W S CLIMATIC BRIEF (LIMITED) SEP 90	STATION NAME: WESTOVER AFB MA												FIELD ELEV: 245 FT	
	LATITUDE/LONGITUDE: 42 12 N 072 32 W												STATION MSC: 744910	
	HOURLY OBS POR: SEP 69 - AUG 89												CALL SIGN: KCEF	
	SUMMARY OF DAY POR: 4106-7601, 8811-8908 (FULL TIME), 4104-4105, 7602-8810 (PART TIME)													
	HOURS SUMMARIZED: 00-23 LST (EXCEPT 07-16 LST 4104-4105 AND 07-23 LST 7602-8810)												SUPERSEDES: MAR 86	
	LST TO UTC: +05													
MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
EXTRM MAX TEMP (F)	65	71	86	94	101	102	101	100	101	89	81	70	102	48
MEAN MAX TEMP (F)	33	35	45	58	70	78	83	81	77	63	50	37	59	48
MEAN TEMP (F)	24	27	36	48	58	67	72	70	67	52	41	29	49	48
MEAN MIN TEMP (F)	16	18	28	37	47	56	61	59	51	40	32	21	39	48
EXTRM MIN TEMP (F)	-22	-20	-13	8	25	32	42	30	25	16	8	-16	-22	48
D/W TEMP GE 90 (F)	0	0	0	#	1	3	4	3	1	0	0	0	12	48
D/W TEMP GE 80 (F)	0	0	#	1	5	14	22	18	7	1	#	0	68	48
D/W TEMP LT 33 (F)	29	25	22	9	1	#	0	#	1	7	17	27	138	48
D/W TEMP LT 0 (F)	3	2	1	0	0	0	0	0	0	0	0	2	8	48
HEATING DEGREE DAYS	1229	1072	888	529	242	55	6	20	142	398	698	1121	6400	34
COOLING DEGREE DAYS	0	0	#	2	25	125	229	179	66	7	#	0	633	34
MEAN DEWPOINT TEMP (F)	13	15	23	32	46	55	61	60	53	40	31	20	38	20
MEAN WET BULB TEMP (F)	21	25	32	41	53	61	65	64	57	46	38	27	44	20
99.95% WCPA (FT)	1150	1100	1100	1000	800	750	650	600	700	850	1000	1050	950	20
MEAN REL HUM 07 LST(%)	66.3	67.2	67.5	66.7	75.3	79.0	80.1	83.0	83.9	80.3	76.5	71.5	75.4	20
MEAN REL HUM 13 LST(%)	53.3	51.0	49.4	46.5	51.5	55.1	53.9	55.7	56.7	54.4	57.7	57.5	53.6	20
MAX 24HR PRECIP (IN)	2.81	3.25	2.78	3.56	3.64	3.74	4.35	7.55	3.88	3.37	2.43	3.00	7.55	48
MAX PRECIP (IN)	8.92	7.67	7.74	8.74	11.56	10.41	9.73	18.68	8.65	9.05	7.56	7.25	58.88	48
MEAN PRECIP (IN)	3.19	3.02	3.39	3.73	3.79	3.73	3.82	3.64	3.41	3.06	3.93	3.52	42.25	48
MIN PRECIP (IN)	.42	.18	.38	.62	1.00	.33	.36	.40	.82	.24	.62	.67	24.74	48
D/W PRECIP GE .01 (IN)	11	9	11	11	12	11	10	9	9	8	11	11	123	48
D/W PRECIP GT .50 (IN)	2	2	2	2	2	2	3	2	2	2	3	3	27	48
MAX 24HR SNFL (IN)	12.1	17.0	12.2	13.4	4.5	0	0	0	0	2.0	12.2	13.6	17.0	44
MAX SNFL (IN)	37.1	31.7	36.0	15.4	5.4	0	0	0	0	2.0	15.2	35.8	92.1	44
MEAN SNFL (IN)	13.6	11.8	8.7	1.6	.1	0	0	0	0	.1	2.5	11.0	49.7	44
D/W SNFL GE .1 (IN)	7	6	4	1	#	0	0	0	0	#	1	6	25	44
D/W SNFL GE 1.5 (IN)	3	2	2	1	#	0	0	0	0	#	1	3	12	44
MAX DLY SNO DEPTH (IN)	25	31	24	15	0	0	0	0	0	#	11	20	31	44
PRVLNG WND DIR (DEG)	\$29-31	\$29-31	29-31	\$29-31	\$17-19	\$17-19	\$17-19	\$17-19	\$17-19	\$35-01	\$29-31	\$35-01	\$17-19	20
MEAN WND SPD (KTS)	6	6	7	7	6	5	5	4	4	5	5	6	5	20
MAX WND SPD (KTS)	61	56	63	61	60	59	48	62	60	49	69	54	69	42
SKY COVER GT 5/10 (%)	58.7	59.6	62.2	62.1	66.8	62.8	58.8	56.4	57.7	55.7	65.4	66.4	61.0	20
D/W THUNDERSTORMS	#	1	1	1	3	5	6	5	2	1	1	#	26	40
D/W FOG (VSBY LT 7 MI)	12	9	11	11	14	16	16	18	17	15	13	13	165	40
LEGEND: ANN = ANNUAL D/W = MEAN NUMBER OF DAYS WITH & = BASED ON LESS THAN FULL MONTHS ** = INSTANTANEOUS PEAK WINDS * = DATA NOT AVAILABLE POR/YOR = PERIOD/YEARS OF RECORD WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE # = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE \$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION														

		PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY													
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
CIG LT 3000 FT AND/OR VSBY LT 3 MI	LST														
	00 - 02	23.0	23.5	24.7	19.9	25.7	34.9	27.3	25.1	32.7	22.7	27.6	32.0	26.6	07
	03 - 05	23.4	25.8	26.4	20.1	28.7	42.3	32.6	33.2	40.6	30.3	30.2	30.8	30.4	07
	06 - 08	24.1	23.6	26.6	25.5	29.2	32.3	28.8	34.4	39.9	30.9	31.7	30.3	29.8	20
	09 - 11	22.4	20.4	24.2	22.4	23.5	22.4	17.6	21.3	25.0	23.3	29.0	26.2	23.1	20
	12 - 14	19.2	20.2	22.2	19.5	18.1	15.8	11.5	14.2	18.4	16.1	22.7	25.6	18.6	20
	15 - 17	18.4	18.2	20.2	17.1	14.8	13.2	8.4	10.7	14.5	14.2	21.1	24.2	16.2	20
	18 - 20	18.7	18.4	19.7	17.5	15.9	14.1	9.7	13.1	15.6	15.6	22.9	25.2	17.2	20
	21 - 23	21.0	19.6	22.0	18.4	18.9	20.3	13.1	17.0	21.5	18.9	25.4	27.0	20.3	20
	ALL	20.8	20.5	22.7	20.0	20.9	21.7	16.6	19.8	24.2	20.6	25.7	26.9	21.7	20
CIG LT 1500 FT AND/OR VSBY LT 3 MI	00 - 02	16.7	15.5	18.5	13.0	19.4	27.6	22.4	19.6	27.9	16.9	18.7	25.6	20.1	07
	03 - 05	17.6	17.9	19.2	13.2	22.0	34.4	27.5	28.1	34.3	23.2	21.6	22.0	23.4	07
	06 - 08	16.6	17.0	18.5	16.8	21.8	25.9	24.1	28.8	32.9	24.0	21.4	19.7	22.3	20
	09 - 11	15.4	14.9	15.8	12.4	13.8	14.1	10.1	12.4	15.6	14.6	17.4	18.1	14.5	20
	12 - 14	13.3	12.7	12.5	9.4	9.4	8.6	5.2	6.7	8.3	9.8	11.7	17.7	10.4	20
	15 - 17	12.0	12.4	12.6	8.8	8.2	6.3	4.4	5.8	6.8	8.7	11.2	17.2	9.5	20
	18 - 20	12.3	12.6	12.7	9.7	9.3	8.9	5.6	7.8	8.6	8.4	11.8	17.3	10.4	20
	21 - 23	13.6	12.7	15.3	10.9	12.4	14.1	7.9	11.4	15.0	11.8	12.9	18.4	13.0	20
	ALL	14.2	14.0	14.9	11.4	13.4	14.9	11.3	13.5	16.5	13.7	14.9	18.7	14.3	20
CIG LT 1000 FT AND/OR VSBY LT 2 MI	00 - 02	12.7	12.4	14.1	10.1	12.1	17.6	14.5	13.7	17.7	12.3	13.5	18.9	14.1	07
	03 - 05	14.5	13.9	14.6	10.5	14.7	27.3	19.5	19.3	24.2	16.0	14.9	15.1	17.0	07
	06 - 08	11.9	13.3	12.6	10.9	14.1	18.2	15.1	19.2	23.3	17.9	14.9	13.9	15.4	20
	09 - 11	10.0	9.7	10.9	6.8	7.5	6.6	4.8	6.8	8.8	10.4	10.6	12.0	8.7	20
	12 - 14	9.9	8.9	8.5	4.7	4.8	3.1	2.5	3.3	3.6	5.8	6.1	12.4	6.1	20
	15 - 17	9.5	7.9	8.1	4.7	3.5	2.6	1.5	2.5	3.2	5.5	5.9	13.0	5.7	20
	18 - 20	9.0	8.2	8.7	5.1	3.9	4.3	2.0	3.3	4.0	5.1	6.1	12.4	6.0	20
	21 - 23	9.6	8.4	10.0	6.2	6.7	7.8	3.8	6.4	7.5	7.4	7.3	13.4	7.9	20
	ALL	10.4	9.7	10.2	6.7	7.5	8.8	6.3	8.0	9.9	9.3	9.0	13.3	9.1	20
CIG LT 200 FT AND/OR VSBY LT 1/2 MI	00 - 02	1.9	2.8	3.1	2.4	1.8	1.9	2.0	1.9	2.2	2.9	1.9	5.3	2.5	07
	03 - 05	3.5	2.8	3.2	2.4	3.1	3.5	2.6	4.7	6.0	6.9	2.9	5.5	3.9	07
	06 - 08	3.0	2.6	2.5	1.9	1.3	2.2	1.9	3.7	8.7	7.5	3.4	3.8	3.5	20
	09 - 11	1.9	1.9	1.4	.4	.0	.0	.0	.0	.6	1.2	1.9	2.3	1.0	20
	12 - 14	1.3	1.2	1.0	.1	.0	.0	.0	.0	.0	.2	.3	2.0	.5	20
	15 - 17	1.5	1.1	.6	.4	.1	.1	.0	.1	.1	.2	.3	1.6	.5	20
	18 - 20	1.1	1.1	1.0	.7	.2	.2	.1	.1	.1	.4	.3	1.7	.6	20
	21 - 23	1.4	1.3	1.7	.9	.3	.8	.4	.3	1.1	.6	.7	2.5	1.0	20
	ALL	1.8	1.7	1.5	.9	.6	.8	.6	1.0	2.1	2.1	1.3	2.7	1.4	20

HURRICANES/TROPICAL STORMS OBSERVED FOR THE PERIOD 1900 - 1986:

HR/TS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
60NM	0/0	0/0	0/0	0/0	0/0	0/0	0/1	3/2	1/2	0/0	0/0	0/0	4/5
120NM	0/0	0/0	0/0	0/0	0/0	0/1	1/2	3/6	3/5	0/1	0/0	0/0	7/15
240NM	0/0	0/0	0/0	0/0	0/0	0/5	2/7	11/14	12/11	0/1	0/1	0/0	25/39

REMARKS : @ SUMMARY OF THE DAY (SOD) DATA DERIVED EXCLUSIVELY FROM WESTOVER AFB MA.